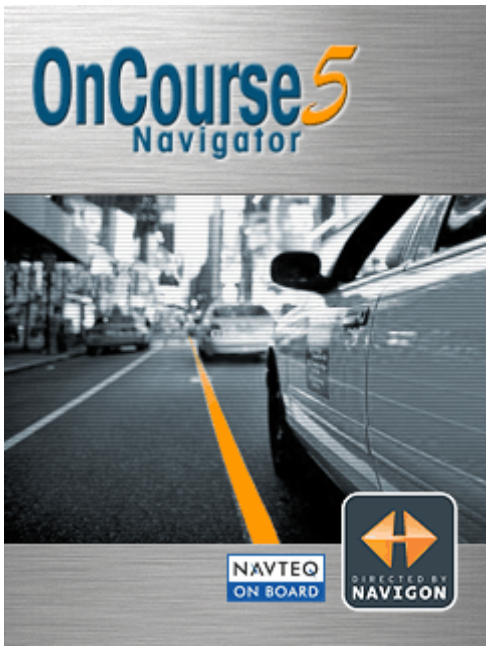


User's manual

OnCourse Navigator 5

as on June 2005

Copyright

Easy PocketNAV.com LLC
Attn: OnCourse Navigator
6050 Peachtree PKWY
Ste 240-328
Norcross, GA 30092

The information contained herein may be changed at any time without prior notification. This manual nor any parts thereof may not be reproduced for any purpose whatsoever without the express written consent of Easy PocketNAV.com LLC, nor transmitted in any form either electronically or mechanically, including photocopying and recording.

© Copyright 2005, Easy PocketNAV.com LLC
All rights reserved.

Table of contents

1 Introduction 5

1.1 Search facilities and conventions 6
1.2 Liability 6
1.3 Support 7
1.4 Trademarks 7

2 Before you begin 9

2.1 Installing the software 10
2.1.1 Restoring the files of the storage card 10
2.1.2 CleverMap: Purchasing additional maps 11
2.2 Installing the hardware 17
2.2.1 Mounting and connecting the Pocket PC 18
2.2.2 Mounting and connecting the GPS receiver 19
2.2.3 Initialising the GPS receiver 19
2.2.4 Installing and initialising the TMC receiver 20
2.3 The basic principle of navigation 21
2.4 Important safety information 22
2.4.1 Safety information on navigation 22
2.4.2 Safety information on the GPS receiver 23
2.4.3 Safety information on the installation in the vehicle .. 23

3 Operating the navigation software 25

3.1 Hardware keys 26
3.2 Software keyboard 26
3.2.1 Standard keyboard 26
3.2.2 Character keyboard 27
3.2.3 Mobile phone keyboard 29
3.3 Command buttons 30
3.3.1 Command buttons with caption 32
3.4 Lists 33

4 User modes 37

4.1 Two different user modes 38
4.2 Changing the user mode 38
4.3 Standard mode 40
4.4 Extended mode 40

5 Navigation 41

5.1 General information on navigation 42
5.2 Starting OnCourse Navigator 43
5.2.1 Extended mode 43
5.2.2 Standard mode 45
5.3 Indicating a destination 47
5.3.1 Entering an address 47
5.3.2 Selecting a point of interest 49
5.3.3 Selecting destinations from the contacts 56

5.3.4 Indicating destinations on the map 58
5.3.5 Favorites 61
5.3.6 Recent destinations 63
5.3.7 Using your home address 64
5.3.8 Voice command 65
5.4 Destination management 65
5.4.1 Saving a destination 66
5.4.2 Storing a voice command 67
5.4.3 Renaming a destination 68
5.4.4 Deleting a destination 69
5.5 Route planning (Itineraries with stopovers) 69
5.5.1 Indicating route points 70
5.5.2 Editing, saving and managing itineraries 72
5.5.3 Calculating the route 77
5.5.4 Displaying the route on the map 80
5.5.5 Simulating the route 80
5.6 Starting navigation 82

6 Working with the map 87

6.1 Selecting a map 88
6.2 Operating the map 90
6.3 Representation of the map in navigation mode 96
6.4 Displaying additional information on the map 98

7 Useful functions for navigation 103

7.1 Adding a route point during navigation 104
7.2 Next destination 105
7.3 Blocking a route section 105
7.4 Using TMC functionality 106
7.5 Keeping the logbook 110

8 Configuring OnCourse Navigator 113

8.1 Settings 114
8.1.1 User mode 115
8.1.2 Map information 115
8.1.3 Route information 116
8.1.4 Signpost information 117
8.1.5 Speed limit 117
8.1.6 Volume 118
8.1.7 Representation 118
8.1.8 Automode 119
8.1.9 Routing options 120
8.1.10 Logbook 121
8.1.11 Key configuration 121
8.1.12 Itinerary 121
8.1.13 Format 122
8.1.14 GPS 122
8.1.15 TMC 123
8.1.16 Home address 123
8.1.17 Radio-Mute 123
8.1.18 Product information 123

9 Appendix 125

9.1 Annex A: Problem solutions 126
9.1.1 Performance 126
9.1.2 GPS receiver 126

10 Glossary 129

11 Index 131

1 Introduction

Topics covered in this chapter:

1.1	Search facilities and conventions	page 6
1.2	Liability	page 6
1.3	Support	page 7
1.4	Trademarks	page 7

1.1 Search facilities and conventions

Find information quickly

This manual offers the following search facilities:

- ⇔ In the footnote at the bottom of the page, you may check which chapter and which section you are actually reading.
- ⇔ A glossary at the end of the manual contains explanations on the technical terms used in this manual.
- ⇔ An index at the end of the manual allows precise search for the information contained in this manual.

Conventions

This manual uses different font styles and symbols to highlight important paragraphs and to ease its use.

Font	Use
bold	Buttons, icons, names of entry fields, and elements of the software's user interface. Also used for highlighting warnings and notices.
bold italic	Registered names and trademarks.
SMALL CAPITALS	Window and dialogue box titles.
underlined italic	The name of the user mode which is concerned by the current section. You need not reed sections that don't concern the user mode you are currently working with.

Symbol	Use
	Indicates hints and notes that may ease the use of ***OnCourse Navigator***.
	Indicates additional information.
	Warns against dangers that might cause damage to objects and persons.

1.2 Liability

Limitation of liability

The software and the manual are subject to change without notice. Easy PocketNAV.com LLC may not be liable for the correctness of the information contained in this manual nor for damages resulting from the use of this manual.

To improve the quality of our products and our services, we appreciate all suggestions for improvement and all error notices.

1.3 Support

Customer Care

Fax Support:

+1-770-573-2205 (Fax costs depending on your local provider)

Email Support:

support@OnCourseNavigator.com

Knowledge Base System:

For answers to commonly asked questions and quick assistance, visit our Knowledge Base system online. You could also open a trouble ticket from here:

http://www.OnCourseNavigator.com/Support

1.4 Trademarks

Registered trademarks

All brands and trademarks mentioned in this document are possibly registered by third party and subject to the current legislation and to the rights of their respective owners without reservation. All mentioned names of products, societies, or brands may be registered trademarks of their respective owners. Every right that is not explicitly accorded is reserved.

The absence of an explicit labelling of registered trademarks does not allow the conclusion that this brand was not subject to the rights of third party.

⇔ Outlook, Windows and ActiveSync are registered trademarks of the Microsoft Corporation.

2 Before you begin

Topics covered in this chapter:

2.1	Installing the software	page 10
	Restoring the files of the storage card	
	CleverMap: Purchasing additional maps	
2.2	Installing the hardware	page 17
	Mounting and connecting the Pocket PC	
	Mounting and connecting the GPS receiver	
	Initialising the GPS receiver	
	Installing and initialising the TMC receiver	
2.3	The basic principle of navigation	page 21
2.4	Important safety information	page 22
	Safety information on navigation	
	Safety information on the GPS receiver	
	Safety information on the installation in the vehicle	

2.1 Installing the software

Install the software on your PDA…

You may find a detailed description of the software installation procedure in the enclosed short manual.

On your ***OnCourse Navigator*** DVD 1, you will find the ***Installer-Tool*** which guides you through the installation and map transmitting procedures.



Note: ***ActiveSync*** must be installed on your PC and on your Pocket PC. For detailed information, please refer to the manual of your Pocket PC.

Proceed as follows:

1. Connect your PC and your Pocket PC via ***ActiveSync***.
2. Insert the ***OnCourse Navigator*** DVD 1 into your DVD drive.
3. The ***Installer-Tool*** starts automatically. Follow the instructions on the screen.



Note: In case the ***Installer-Tool*** does not start automatically, start the Windows-Explorer. Select the directory of your DVD drive and double-click the "Setup.exe" file.

2.1.1 Restoring the files of the storage card

Restore the files of the storage card…

1. Connect your PC and your Pocket PC via ***ActiveSync***.
2. Insert the ***OnCourse Navigator*** DVD 1 into your DVD drive.
3. The ***Installer-Tool*** starts automatically. Follow the instructions on the screen.



Note: In case the ***Installer-Tool*** does not start automatically, start the Windows-Explorer. Select the directory of your DVD drive and double-click the "Setup.exe" file.

2.1.2 CleverMap: Purchasing additional maps

Provided maps

All available maps are included on DVD. One of these maps has been activated when registering the software. The name and the serial number of this map are indicated on the first page of the enclosed quick user guide and on the front of the package.

For further information, please refer to "Installing the software", page 10.



Note: The license for the usage of one of the following maps: USA and Canada, USA, MAJOR Central-West USA, MAJOR Central-East USA, MAJOR Eastcoast USA, Canada and Northern USA, Europe, also grants you the right to use any map which covers parts or single countries/states/provinces of the licensed map.

As an example, if you have licensed the map "USA" you may also use the individual maps of the USA (incl. Alaska, Hawaii and Puerto Rico).

There are two ways to obtain a new map:

- ⇔ Buying a map on a storage card
- ⇔ Copying a map from DVD to a storage card and purchasing an activation code

You will have to activate the new map before you can use it.

Buying a map on a storage card

Buy the map

You can buy a map on a storage card from a retailer or conveniently order it from our online shop at www.oncoursenavigator.com/shop.

A license code will be enclosed in the package of the storage card.

Get the activation code

1. Go to our web site www.oncoursenavigator.com and log onto My OCN. (Your logon has been created during software registration)
2. Click on "Product Registration", then on "CleverMap Activation".
3. Select the product you want to use the new map with.
4. Enter the license number into the respective entry fields.
5. Click on "Activate CleverMap".

You will now see your new activation code. (You can have the activation code displayed under My OCN at any time.)

Copying a map from DVD to a storage card and purchasing an activation code

Copy the map

To copy a map from DVD to a storage card, proceed as follows:

1. Insert a storage card into the card reader.
2. Insert the ***OnCourse Navigator*** DVD 1 into your DVD drive.

 The ***Installer-Tool*** starts automatically.
3. Click "Transmit map".
4. Follow the instructions on the screen.

To activate the respective map, proceed as follows:

Get the activation code

1. Go to our web site www.oncoursenavigator.com and log onto My OCN. (Your logon has been created during registration)
2. Click on "CleverMap Activation" and select the map you want to purchase a license for.
3. Click on "Add to shopping cart".
4. Select the product with which you want to use the new map.
5. Execute the payment procedure.

You will now see your new activation code. (You can have the activation code displayed under My OCN at any time.)

Activating a map

Activate the map

To activate a new map, proceed as follows:

1. Insert the storage card which contains the new map you want to use into your PocketPC.
2. Start ***OnCourse Navigator***.



Note: You need not execute steps 3 to 5 unless there is more than one map stored on the inserted storage card.

3. On the **MAIN SCREEN**, tap the **Map** button.

 The **AVAILABLE MAPS** screen opens:
4. Tap the entry of the map you want to work with.
5. Tap .

 A new window opens which prompts you to enter the activation code.
6. Enter the activation code.
7. Tap .

 The selected map is now activated and loaded. The **MAIN SCREEN** opens.

Available maps

The following maps are available on DVD or on storage card:



USA and Canada

Includes all states of the USA except Alaska, Hawaii, Puerto Rico and all provinces of Canada as a complete seamless map.

Activating this map will also grant the use of the following maps:

Alaska, **Hawaii**, **Puerto Rico**, **Canada and Northern USA**, **USA**, **Canada**, **MAJOR Central-West USA**, **MAJOR Central-East USA**, **MAJOR Eastcoast USA**, **Central Northern USA**, **Central Southern USA**, **Central Northeastern USA**, **Central East Coast USA**, **Western USA**, **South Eastern USA**, **Northern East Coast USA**



USA

Includes all states of the USA except Alaska, Puerto Rico, and Hawaii as a complete seamless map.

Activating this map will also grant the use of the following maps:

Alaska, **Hawaii**, **Puerto Rico**, **MAJOR Central-West USA**, **MAJOR Central-East USA**, **MAJOR Eastcoast USA**, **Central Northern USA**, **Central Southern USA**, **Central Northeastern USA**, **Central East Coast USA**, **Western USA**, **South Eastern USA**, **Northern East Coast USA**



MAJOR Central-West USA

Includes the following states as a complete seamless map:

Arizona, Arkansas, California, Colorado, Idaho, Illinois, Iowa, Kansas, Louisiana, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, Wyoming

Activating this map will also grant the use of the following maps:

Hawaii, **Central Northern USA**, **Central Southern USA**, **Western USA**



MAJOR Central-East USA

Includes the following states as a complete seamless map:

Alabama, Arkansas, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, North Carolina, Ohio, South Carolina, Tennessee, Virginia, West Virginia, Wisconsin

Activating this map will also grant the use of the following maps:

Puerto Rico, **Central Northern USA**, **Central Northeastern USA**, **Central East Coast USA**, **South Eastern USA**



MAJOR Eastcoast USA

Includes the following states as a complete seamless map:

Alabama, Connecticut, Delaware, District of Columbia, Florida, Georgia, Indiana, Kentucky, Maine, Maryland, Massachusetts, Michigan, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia

Activating this map will also grant the use of the following maps:

Puerto Rico, **Central Northeastern USA**, **Central East Coast USA**, **South Eastern USA**, **Northern East Coast USA**



Western USA

Includes the following states as a complete seamless map:

Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming



Central Northern USA

Includes the following states as a complete seamless map:

Arkansas, Colorado, Illinois, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, North Dakota, Oklahoma, South Dakota, Wisconsin, Wyoming



Central Southern USA

Includes the following states as a complete seamless map:

Arizona, Arkansas, Colorado, Kansas, Louisiana, Missouri, New Mexico, Oklahoma, Texas, Utah



Central Northeastern USA

Includes the following states as a complete seamless map:

Arkansas, Illinois, Indiana, Kentucky, Michigan, Missouri, Ohio, Tennessee, West Virginia, Wisconsin



South Eastern USA

Includes the following states as a complete seamless map:

Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee



Central East Coast USA

Includes the following states as a complete seamless map:

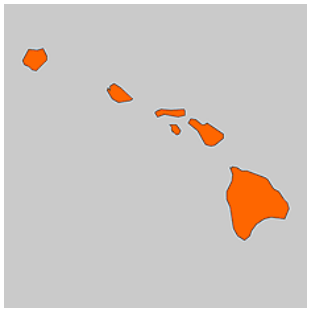
Delaware, District of Columbia, Indiana, Kentucky, Maryland, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia



Northern East Coast USA

Includes the following states as a complete seamless map:

Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia



Hawaii



Puerto Rico



Alaska



Canada and Northern USA

Includes all provinces of Canada and the following states of the USA as a complete seamless map:

Connecticut, Idaho, Illinois, Indiana, Iowa, Maine, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin, Wyoming

Activating this map will also grant the use of the following maps:

Alaska, **Canada**, **Central Northeastern USA**, **Northern East Coast USA**



Canada

Includes all provinces of Canada as a complete seamless map.

Activating this map will also grant the use of the following map:

Alaska



Mexico



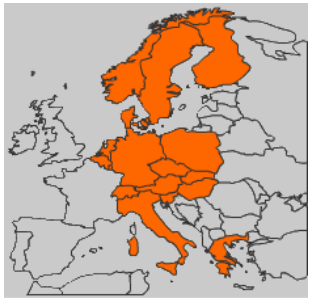
Europe

Includes the following countries as a complete seamless map:

Andorra, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Republic of Ireland, Italy, Liechtenstein, Luxemburg, Monaco, the Netherlands, Norway, Poland, Portugal, San Marino, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Vatican City

Activating this map will also grant the use of the following maps:

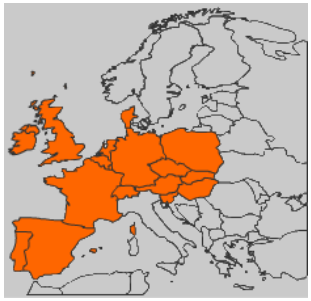
Europe A, **Europe B**



Europe A

Includes the following countries as a complete seamless map:

Austria, Belgium, Czech Republic, Denmark, Finland, Germany, Greece, Hungary, Italy, Liechtenstein, Luxemburg, the Netherlands, Norway, Poland, San Marino, Slovakia, Slovenia, Sweden, Switzerland, Vatican City



Europe B

Includes the following countries as a complete seamless map:

Andorra, Austria, Belgium, Czech Republic, Denmark, France, Germany, Hungary, Republic of Ireland, Liechtenstein, Luxemburg, Monaco, the Netherlands, Poland, Portugal, Slovakia, Slovenia, Spain, Switzerland, United Kingdom



Persian Gulf States

Includes the following countries as a complete seamless map:

Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates

2.2 Installing the hardware

Survey

Mount the holder of the Pocket PC and the GPS receiver before you use the navigation system. You will also have to initialise the GPS receiver and, if purchased, the TMC receiver.



Note: In case the holder and the adapter of the Pocket PC are not supplied within the delivery, you may obtain them from our support team, from our online-shop, or from your specialised dealer.

2.2.1 Mounting and connecting the Pocket PC

Caution: The mounted holder must not impede the driver's attention on the traffic.

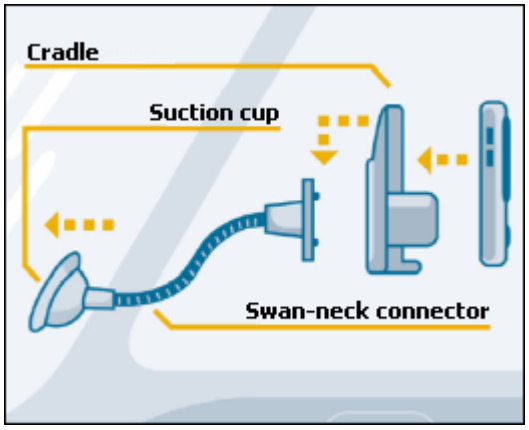


Connecting the Pocket PC...

1. Attach the cradle of the Pocket PC to the swan-neck mount.

Note: Take note of the caption on the swan-neck mount. The arrow with the caption **close** must show in snap-on direction. The connection must snap on audibly.

2. Place the suction cup on the windscreen. Press the lever firmly to the windscreen before switching it.
3. Put the Pocket PC into the cradle. Make sure that it is held safely!
4. Plug the adapter into the socket at the bottom of the Pocket PC.



2.2.2 Mounting and connecting the GPS receiver

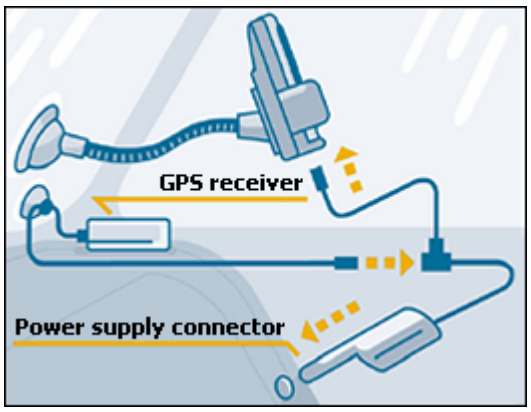
Caution: The mounted GPS receiver must not impede the driver's attention on traffic.

Connecting the GPS receiver...

1. Place the GPS receiver horizontally under the windscreen, as far forwards as possible.

 Note: The reception of GPS signals may be obstructed by windscreen heating wires, by a windscreen aerial, or when the windscreen is moralised. In this case, you might use an external vehicle antenna, which may be obtained from our support team, from our online-shop, or from your specialised dealer.

2. Plug the connection cable of the GPS receiver to the respective socket of the adapter, which connects the Pocket PC to the power supply.
3. Plug the jack of the adaptor into the socket of the cigarette lighter.
4. Turn the GPS receiver on.



2.2.3 Initialising the GPS receiver

Initialisation of the GPS receiver

The initialisation process of the GPS receiver starts automatically.

Within 15 seconds, the GPS icon on your Pocket PC switches from **No GPS** to **No signal**.

As soon as the signals of more than 3 satellites are being received, the GPS icon switches to **GPS ready**.

 **No GPS**

 **No signal**

 **GPS ready**

This procedure may take about 20 minutes. When the GPS icon becomes **GPS ready** earlier, it would be good to leave the GPS receiver turned on for about 15 more minutes in order to grant

its correct operation.

The initialisation process is finished when the reception of more than 3 satellites is assured after about 20 seconds.

Note: This initialisation process must be carried out only once. The other times, the GPS receiver will be ready within about one minute.



Note: When the GPS receiver is connected to the power supply for the first time, leave it connected for about 2 hours in order to charge its battery.

Note: A new initialisation may become necessary when the GPS receiver has not been in use. In this case, the initialisation process would take about 10 minutes.



Caution: Disconnect the receiver from the power supply when you are leaving the car parked for a longer period. Failure to do so might result in a flat battery as the receiver consumes electricity permanently.



For details on the operation of your GPS receiver, please refer to "Command buttons", page 30.

2.2.4 Installing and initialising the TMC receiver

Survey

If you have purchased ***OnCourse Navigator*** bundled with a TMC receiver or if you own an external TMC receiver, you will have to connect it to your PocketPC and to initialize it.

Connecting the TMC receiver

For information on how to connect the TMC receiver, please refer to the manuals of your TMC receiver and of your PocketPC.

Initialisation of the TMC receiver

The initialisation process of the TMC receiver starts automatically. Within a few seconds, the TMC icon on your PocketPC switches from **No TMC** to **Searching for broadcast station** and finally to **TMC ready**.

 **No TMC**

 **Searching for broadcast station**

 **TMC ready**



For details on the operation of the TMC receiver, please refer to "Using TMC functionality", page 106.

2.3 The basic principle of navigation

OnCourse Navigator

The time of complicated and frustrating inquiries on the right way in folded maps is over. From now on ***OnCourse Navigator***, your navigation system, will guide you, based on satellite information, quickly and safely to your destination.

GPS based navigation

The **G**lobal **P**ositioning **S**ystem (GPS) has originally been developed in the 70ies, as a weapon guidance system for the American forces.

The GPS is based on 24 satellites, which are in orbit round the earth and which are permanently emitting signals. The GPS receiver receives those signals and calculates, based on the runtime of the signals, his distance from the respective satellites. This information serves for calculation your current geographic position.

The signals of at least three satellites are needed to determine the longitude and the latitude. With the signals of at least four satellites the elevation may be calculated, too. The determination has an accuracy of about 9 feet.

Navigation with GPS

The delivered maps contain the geographic coordinates of the points of interest, streets and cities they represent. Thus the navigation system can calculate a route from a given start point to a given destination point.

In case your navigation system receives the signals of at least three satellites it may determine your current position and represents it on the map. This position may then serve as start point for navigation purposes.

As the determination and representation of your position is carried out once a second, you may watch your movements on the map.

Traffic information with TMC

The **T**raffic **M**essage **C**hannel (TMC) provides the navigation system with the latest traffic information. An external TMC receiver which is connected to your PocketPC receives these signals broadcasted by radio stations.

TMC operating mode

The **Traffic Message Channel** (TMC) is based on a news system. Traffic information is recorded continually this is done automatically by sensors on the Interstates and by the police. This information is then forwarded to the radio stations without delay. It is digitally coded, differentiated according to routes and driving directions and transmitted inaudibly.

The TMC receiver extracts the TMC data from the RDS signal or from XM radio and provides the navigation software with them. Current traffic obstructions may then be displayed.

The reported obstructions may be considered for route calculation. In case of obstructions on the computed route, they may be used for computing an alternative route, which evades the obstruction.

OnCourse Navigator features dynamic navigation, which is well adapted to the current traffic situation, based on RDS signals.

2.4 Important safety information

Note

In your own interest, read the following notices and safety information carefully before starting up your navigation system.

2.4.1 Safety information on navigation

Use of ***OnCourse Navigator*** is executed at your own risk.



Caution: To protect yourself and others from accidents please do not operate the navigation system while driving!



Caution: You must not look at the display except when it is absolutely safe to do so!



Caution: The road layout and the traffic signs are absolutely prior to the instructions of the navigation system.



Caution: You must not follow the instructions of ***OnCourse Navigator*** except when the circumstances and the road traffic regulations allow doing so. ***OnCourse Navigator*** will guide you to your destination even when you have left your planned itinerary.



Note: We recommend effecting route planning before beginning the journey. If you are on the road and you want to establish a new itinerary, please drive to the next parking site!



Note: If you have not understood the instructions or if you are not sure about what to do next you may quickly refer to the map or arrow view of your navigation system.

2.4.2 Safety information on the GPS receiver



Caution: As it is not waterproof, do not expose your GPS receiver to water!



Caution: Do not install the cable next to security relevant equipment and supply lines.



Caution: Please check the security relevant equipment when you have installed the navigation system.



Caution: The GPS receiver should be disconnected from the power supply while your car is parking. As it spends energy permanently, you might risk discharging the car battery.



Caution: The installation of the GPS receiver must not interfere with the sure operation of your car.



Note: Do not varnish the GPS receiver. Doing so might impede the reception of GPS signals.



Note: Do not use any harsh solvents for cleaning the GPS receiver. A damp cloth is sufficient! You might damage the case of the GPS receiver.



Note: Do not unplug by pulling the cable. This might damage the cable!



Note: Do not fold the cable. Check that the cable may not be damaged by any sharp object.

2.4.3 Safety information on the installation in the vehicle



Caution: Do not fix the holder within the deployment zone of airbags.



Caution: When you install the holder, please check that it may not constitute any safety risk, even in case of an accident.

3 Operating the navigation software

Topics covered in this chapter:

3.1	Hardware keys	page 26
3.2	Software keyboard Standard keyboard Character keyboard Mobile phone keyboard	page 26
3.3	Command buttons Command buttons with caption	page 30
3.4	Lists	page 33

3.1 Hardware keys

Key configuration

In ***OnCourse Navigator***, you may configure the hardware keys of your Pocket PC to execute the "Up", "Down", "Left", "Right", "OK" and "Return" actions. This enables convenient and easy operation.

When you quit the navigation software, the keys will have their standard functionality.

1. On the main screen, tap **Settings**.

 The **SETTINGS** screen opens.
2. Via the arrow buttons, select the **KEYS** screen.
3. Tap **Configure**.
4. Select the keys for the respective actions.
5. Tap the **Save** button.

3.2 Software keyboard

Survey

A software keyboard appears at the bottom of the screen when text entries are necessary. Choose between a standard keyboard, a character keyboard or a mobile phone keyboard.



Select a software keyboard by tapping the respective icon at the bottom of the screen. The icon of the active keyboard appears pressed.

3.2.1 Standard keyboard





Use the stylus to operate the standard keyboard.

You may use small or capital letters for entering destination data. And you need not enter special characters when entering a destination's city or street name. ***OnCourse Navigator*** replaces these characters automatically. When you are looking for, e.g., a French city called "Héroïnès", simply type "heroines".

3.2.2 Character keyboard





You may carry out all entries with your finger on the character keyboard. But you may enter capital letters only.

You need not enter small letters or special characters when entering a destination's city or street name. ***OnCourse Navigator*** replaces these characters automatically. When you are looking for, e.g., a French city called "Héroïnès", simply type "HEROINES".

Entering a space, deleting a character…

Tap the  icon to enter a space character.

Tap the  icon to delete the character at the left of the cursor.

Switching between character and number entry…

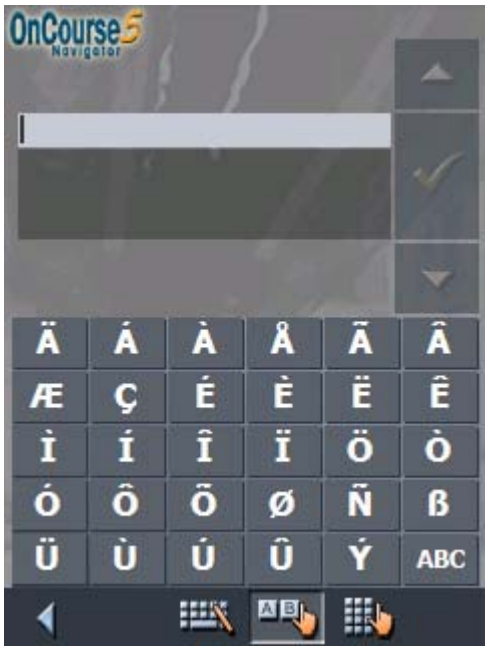
Tap the  icon to enter numbers, e.g. for a ZIP code.

Tap the  icon to return to the character entry mode.

Special characters

Tap the Sym icon to enter a special character.

The special characters keyboard appears.



As soon as you have entered a special character the letter keyboard reappears.

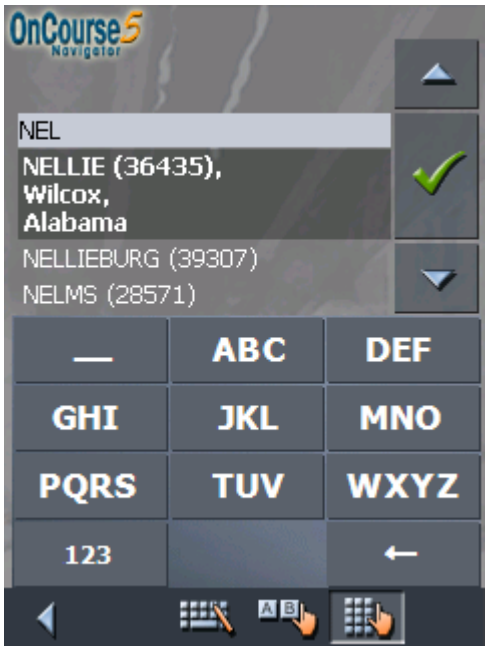
You need not enter special characters when entering a destination's city or street name but they may be helpful for entering names for saved destinations and itineraries.

Moving the cursor

If you want to delete another character than the one to the left of the cursor position, or if you want to insert a character at another place than at the end of the text, you have to move the cursor to the respective place.

Just tap the place where you want to have the cursor.

3.2.3 Mobile phone keyboard



You may carry out all entries with your finger on the mobile phone keyboard. But you may enter capital letters only.

As on a mobile phone, each key is designed to enter several letters with it. The position of a letter on a key caption indicates how often you must tap this key to enter the respective letter, e.g., to enter an "S", tap the "PQRS" key four times.

You need not enter small letters or special characters when entering a destination's city or street name. ***OnCourse Navigator*** replaces these characters automatically. When you are looking for, e.g., a French city called "Héroïnès", simply type "HEROINES".

Entering a space, deleting a character…

Tap the _ icon to enter a space character.

Tap the ← icon to delete the character at the left of the cursor.

Switching between character and number entry…

Tap the 123 icon to enter numbers, e.g. for a ZIP code.

Tap the ABC icon to return to the character entry mode.

Special characters

When you tap a key, a line above the software keyboard appears which lists all characters that may be entered by this key. The active character is highlighted.



If, e.g., you want to type "Ø", tap the "MNO" key repeatedly until "Ø" is highlighted in the line above the software keyboard.

You need not enter special characters when entering a destination's town or street name but they may be helpful for entering names for saved destinations and itineraries.

Moving the cursor

If you want to delete another character than the one to the left of the cursor position, or if you want to insert a character at another place than at the end of the text, you have to move the cursor to the respective place.

Just tap the place where you want to have the cursor.

3.3 Command buttons

Icons

The following buttons appear at the bottom of every ***OnCourse Navigator*** screen:



Return

Tap this icon to return to the previous screen. This icon is not available on the **MAIN SCREEN**.



Main screen

Tap this icon to open the main screen. This icon is not available on the **MAIN SCREEN**.

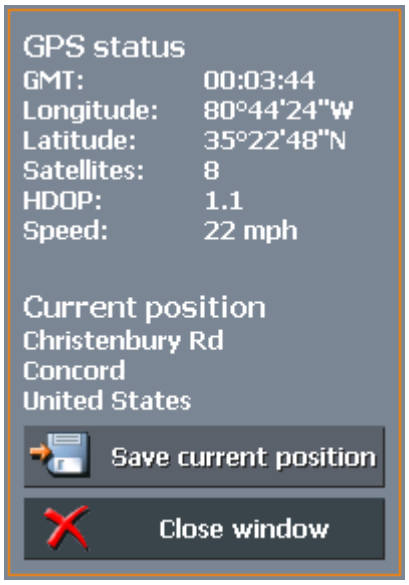
GPS

The **GPS** symbol is placed at the bottom of the screen. The different GPS icons have the following significance:

Symbol	Significance
 **No GPS**	A GPS receiver is not connected or the power supply is interrupted.
 **No signal**	A GPS receiver is connected, but the received signals are not convenient for navigation purposes (e.g. because you are in a closed building).
 **GPS ready**	The signals are convenient. Navigation may begin.



Tap the **GPS** icon to display the current GPS status:



Entry	Significance
GMT	**G**reenwich **M**ean **T**ime Time of London ignoring daylight saving time.
Longitude / Latitude	Current position: Indication of east longitude and north latitude.
Satellites	Number of received satellites. At least three satellites must be received for navigation purposes.
HDOP	**H**orizontal **D**ilution **o**f **P**recision: Indicates the quality of position determination. Theoretically any value from 0 to 50 may occur. The smaller the value, the more accurate is the position determination (value 0 = no deviation from the real position). Values up to 8 are convenient for navigation purposes.
Speed	Indicates your current speed.
Position	Indicates the address of your current position.
Save	Tap this button to add the current address to the **FAVORITES**.
Quit	Tap this button to quit the GPS screen.



Logbook

Tap this icon to access the logbook functions.



For details on the TMC functionality, please refer to "Keeping the logbook", page 110.

TMC

The **TMC** symbol is placed at the bottom of the screen. The different TMC icons have the following significance:

Symbol	Significance
 **No TMC**	No TMC receiver connected -OR- The TMC receiver is not connected correctly.
 **Searching for broadcast station**	The TMC receiver is ready but cannot receive TMC signals. This is the case when, e.g., you are in an area where TMC is not available.
 **TMC ready**	TMC signals are being received.



TMC

Tap this icon to display TMC information.



For details on the TMC functionality, please refer to "Using TMC functionality", page 106.

3.3.1 Command buttons with caption

Command buttons

You will find command buttons with captions on almost every screen of ***OnCourse Navigator***. There is three groups of command buttons:

1. Command buttons with a defined functionality.

 These buttons are designed to execute a functionality, which is indicated by their caption. They are normally buttons like **Save**, **OK**, **Cancel**, **Select map**, **Navigation** etc.

2. Buttons to select one of two possibilities.

 These buttons are designed to select one of two possibilities. Normally, the current state is indicated by the caption of the button. They are normally buttons like **User mode**, **Yes-No**, **On-Off**.

 When you tap one of these buttons, the caption switches to the other possibility. This change must be confirmed by clicking another button (normally **OK** or **Save**) before the current screen closes.

3. Buttons to enter data.

 Subsequently, these buttons will be referred to as entry fields. The caption either your last entry or **<please select>**. They are buttons like **City or ZIP**, **Street**, **Category** (of a POI) etc.

 When you tap an entry field, another screen with a software keyboard, a list, or with both of them opens where you can make your entries. This entry must be confirmed by clicking another button (normally **OK** or **Save**) before the entry screen closes. Your entry becomes then the caption of the entry field.



For information on the use of the keyboard, please refer to „Software keyboard", page 26.

For information on working with lists, please refer to "Lists", page 33.

3.4 Lists

Survey

There are many cases where you have to select an entry from a list.

If, for example, you have not completely entered the name of a city before tapping **OK**, a list appears which contains all cities beginning with your entry or having it into their names. The ZIP code of the cities also indicated in order to allow you to choose the correct one if there is more than one city with the same name.

Entry with focus

One of the entries has the focus. This entry is written in bold. Moreover, there is often some additional information on that entry in a 2nd or 3rd line. In a list of cities, there is indicated the country (or state or province) the respective city belongs to.

Icons

At the right hand side of lists, there are three icons:



OK: Tap this icon to confirm the selection of the entry with the focus (which is placed directly at the left of the OK icon).



Up: Tap this icon to scroll the list one item up.



Down: Tap this icon to scroll the list one item down.

Example

Search for ABERNATHY.

1. In the **MAIN MENU** tap **Navigation**.

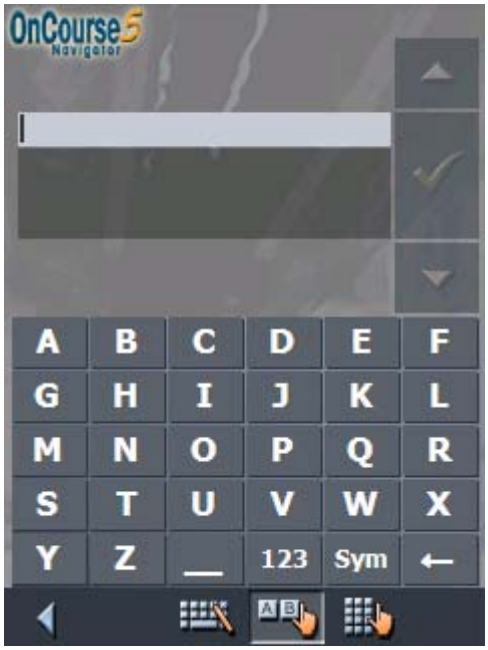
 The **DESTINATION** screen opens.

2. Tap **Address**.

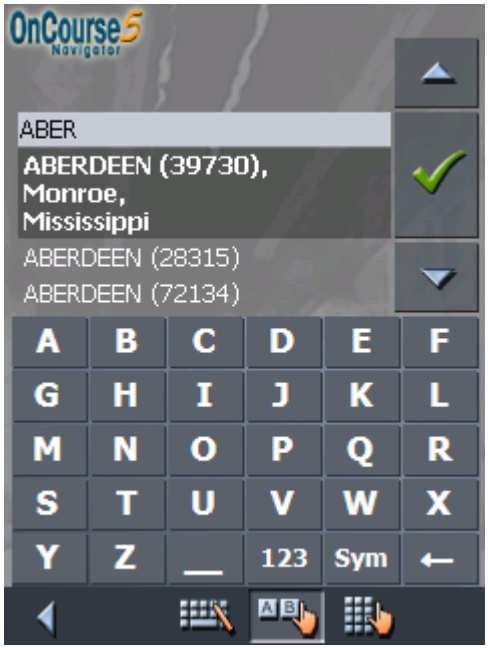
 The **ADDRESS** screen opens.

3. Tap the **City or ZIP** entry field.

 The software keyboard appears.



4. Enter the letters ABER.

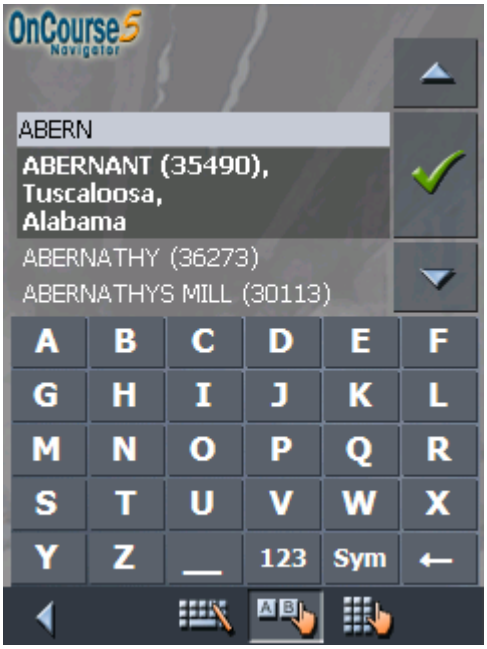


All cities beginning with ABER or having ABER in their names are listed.

When the list is very long, you may enter one more letter in order to shorten the list.

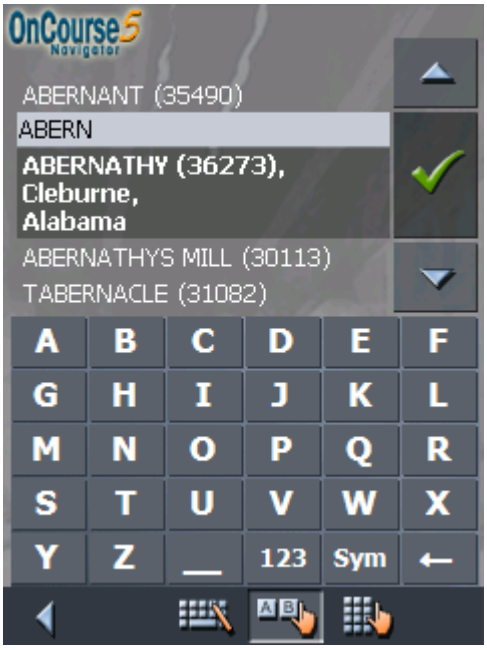
Enter N.

All cities beginning with ABERN or having ABERN in their names are listed.



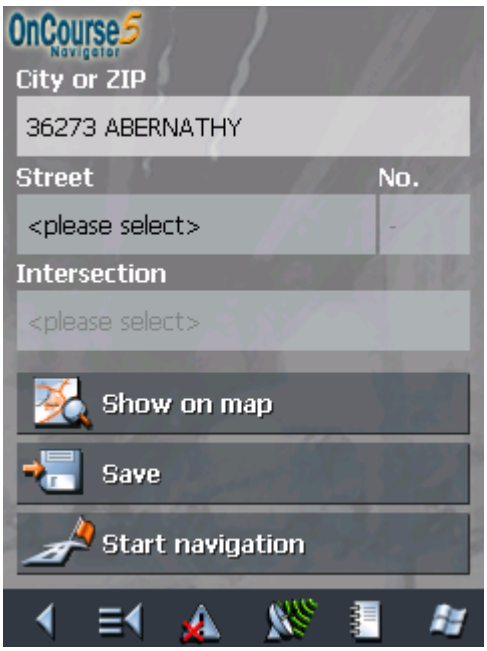
5. Tap the **Down** icon repeatedly until ABERNATHY appears directly under the white entry field.

 The entry ABERNATHY has the focus.



6. Tap .

 The **ADDRESS** screen reappears. ABERNATHY is entered into the **City or ZIP** field.



4 User modes

Topics covered in this chapter:

4.1	Two different user modes	page 38
4.2	Changing the user mode	page 38
4.3	Standard mode	page 40
4.4	Extended mode	page 40

4.1 Two different user modes

Survey

OnCourse Navigator can be operated in two different user modes: Standard and Extended. This grants an optimum of usability for each user: Less experienced users and users who do not need using the complete functionality of the software work in standard mode. Experienced users who are ready to spend some time in getting used to operate the complete functionality word in extended mode.

Some configuration settings have an effect on the work in standard mode but can only be changed in extended mode. For further information, please refer to "Configuring OnCourse Navigator", page 113.

4.2 Changing the user mode

You may at any time switch to the other user mode.

1. In the **MAIN MENU**, tap **Settings**.

 The **SETTINGS** screen appears:

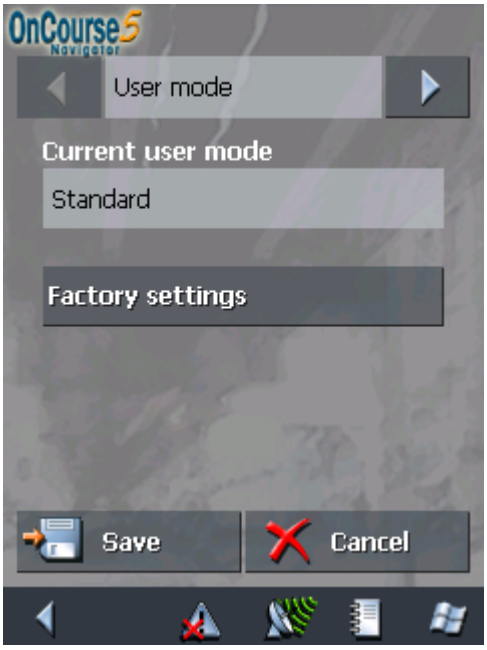


 The **User mode** entry is at the top of the list. If it is not selected, tap the **Up** icon repeatedly until **User mode** is selected.



2. Tap .

The **USER MODE** screen appears:



Your current user mode is indicated on the **Current user mode** field.

3. Tap **Current user mode** to switch to the other user mode.

 The name of the user mode you want to switch to becomes the caption of the entry field.

4. Tap **Save** to save the changes.



Note: When you switch to standard mode, a dialog window asks you whether you want to keep the configuration changes you have made in extended mode. This dialog window appears even when you have not made any configuration changes. Tap **Yes** if you want to keep these changes.

The **USER MODE** screen closes and you are in the Main menu of the user mode you have just switched to.

4.3 Standard mode

Survey

In standard mode, the software is easier to operate. As it offers reduced functionality, functions may be accessed quicker. So, if you do not need functions like Route planning or indicating a destination on the map, we recommend working in standard mode.

Functionality

In standard mode, you can:

- ⇔ Select another map
- ⇔ Enter a destination to navigate to (Address, POI)
- ⇔ Navigate home
- ⇔ Voice command
- ⇔ Select a saved destination
- ⇔ Save destinations
- ⇔ Select a destination from the recent destinations list
- ⇔ Change some configuration settings

4.4 Extended mode

Survey

In extended mode, you dispose of the complete functionality of ***OnCourse Navigator***. You may for example indicate and navigate to more than one destination (route planning with stopovers). You may change all configuration settings. If you want to use the complete functionality, work in extended mode.

Functionality

In addition to the functions of the standard mode, the extended mode enables you to:

- ⇔ Indicate a direction directly on the map
- ⇔ Plan and save routes with several stopovers
- ⇔ Adjust the route options before each navigation
- ⇔ Change all configuration settings

5 Navigation

Topics covered in this chapter:

5.1	General information on navigation	page 42
5.2	Starting OnCourse Navigator	page 43
	Extended mode	
	Standard mode	
5.3	Indicating a destination	page 47
	Entering an address	
	Selecting a point of interest	
	Selecting destinations from the contacts	
	Indicating destinations on the map	
	Favorites	
	Recent destinations	
	Using your home address	
	Voice command	
5.4	Destination management	page 65
	Saving a destination	
	Storing a voice command	
	Renaming a destination	
	Deleting a destination	
5.5	Route planning (Itineraries with stopovers)	page 69
	Indicating route points	
	Editing, saving and managing itineraries	
	Calculating the route	
	Displaying the route on the map	
	Simulating the route	
5.6	Starting navigation	page 82

5.1 General information on navigation

Use of ***OnCourse Navigator*** is executed at your our risk.



Caution: To protect yourself and others from accidents, do not program the navigation system while driving. Enter or select your destination and activate the navigation system before you begin to drive!



Caution: Do not look at the display unless it is absolutely safe to do so! Safe driving is the first priority!



Caution: The rules of the road and traffic signs must be obeyed prior to following instructions from the navigation system.



Caution: Do not follow the instructions of ***OnCourse Navigator*** unless circumstances and the road traffic regulations allow doing so. ***OnCourse Navigator*** will guide you to your destination even when you have gone off course from your route.

Obstructed GPS reception

When you turn off the GPS receiver or when the reception of GPS signals is obstructed ***OnCourse Navigator*** does not close but navigation is interrupted.

As soon as the GPS receiver works again the navigation system notices a possible change of your current position and recalculates the route. You may simply continue navigation.

Quitting navigation mode

When you quit navigation mode by command the **MAIN MENU** appears. You may then indicate another destination or reassume the by selecting the former destination from the **Recent destinations** list.

Arriving at your destination

When you have reached your destination the system pronounces the message "You have reached your destination!"

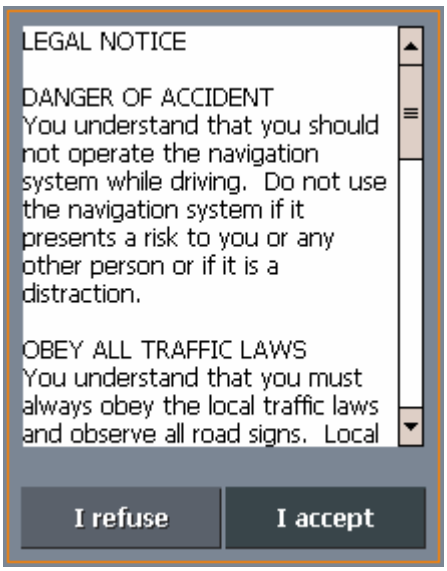
The map is no more presented in navigation mode. A small green arrow indicates your current position.

5.2 Starting OnCourse Navigator

Starting the navigation software…

1. Turn your PDA on.
2. Tap the **OnCourse Navigator** icon on the desktop.

 At the first start (and each time you had terminated ***OnCourse Navigator*** via the **Quit** icon), the following message appears:



3. Tap the **I accept** button. If you do not accept and if you tap the **I refuse** button, the software terminates.

5.2.1 Extended mode

The **MAIN SCREEN** appears:

Main screen

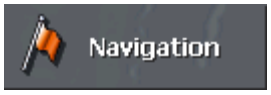


All functions of the program are accessible via the **MAIN SCREEN**.

Note: When you turn your PDA on it shows the screen which was displayed when it was turned off. Nevertheless, you may access the Main screen from all other screens by tapping  .

One destination

Tap the **Navigation** button to indicate a destination for navigation (no stopover).



For details, please refer to "Indicating a destination", page 45.

Navigation homewards

Tap the **Home** icon to navigate to your home address.



For details, please refer to "Using your home address", page 64.

Navigation via voice command

Tap the **Voice command** icon to start navigation to a favorite via voice command.



For details, please refer to "Voice command", page 65.

Route planning

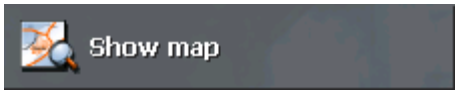
Tap the **Route planning** button for route planning purposes.



For details, please refer to "Route planning (Itineraries with stopovers)", page 69.

Display the map

Tap the **Show map** button to display the map which is currently in use..



Select map

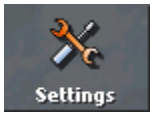
Tap the **Map** button to select another map from the storage card which is currently inserted.



For details, please refer to "Working with the map", page 87.

Settings

Tap the **Settings** button to modify the settings of ***OnCourse Navigator***.



For details, please refer to "Settings", page 114.

Quit

Tap the **Quit** button to quit ***OnCourse Navigator***.



5.2.2 Standard mode

The **MAIN SCREEN** appears:

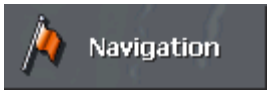
Main screen



Note: When you turn your PDA on it shows the screen which was displayed when it was turned off. Nevertheless, you may access the **MAIN SCREEN** from all other screens by tapping  .

One destination

Tap the **Navigation** button to indicate a destination for navigation (no stopover).



For details, please refer to "Indicating a destination", page 47.

Navigation homewards

Tap the **Home** icon to navigate to your home address.



For details, please refer to "Using your home address", page 64.

Navigation via voice command

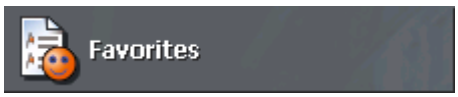
Tap the **Voice command** icon to start navigation to a favourite via voice command.



For details, please refer to "Voice command", page 65.

Favorites

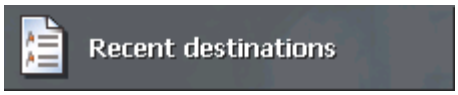
Tap the **Favorites** button to navigate to a favourite.



For details, please refer to "Favorites", page 61.

Recent destinations

Tap the **Recent destinations** button to select a destination entered previously.



For details, please refer to "Recent destinations", page 63.

Select map

Tap the **Map** button to select another map from the storage card which is currently inserted.



For details, please refer to "Working with the map", page 87.

Settings

Tap the **Settings** button to modify the settings of ***OnCourse Navigator***.



For details, please refer to "Settings", page 114.

Quit

Tap the **Quit** button to quit ***OnCourse Navigator***.



5.3 Indicating a destination

Basic principle of navigation

In this chapter you will learn about the possibilities for indicating and managing destinations in ***OnCourse Navigator***.

For details on how to start navigation to a destination, please refer to "Starting navigation", page 82.

Indicating a destination

In ***OnCourse Navigator*** there are several possibilities to enter or to select destinations:

- ⇔ Entering an address, see page 47
- ⇔ Selecting a point of interest, see page 49
- ⇔ Selecting destinations from the contacts, see page 56
- ⇔ Indicating destinations on the map, see page 58
- ⇔ Favorites, see page 61
- ⇔ Recent destinations, see page 63
- ⇔ Using your home address, see page 64
- ⇔ Voice command, see page 65

5.3.1 Entering an address

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Address**.

Standard mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



 Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

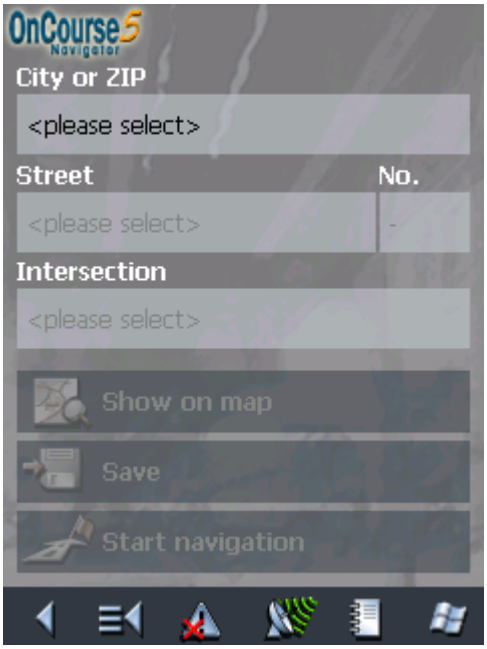


Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Address**.

Indicating an address…

The **ADDRESS** screen opens.



2. Enter the destination city into the **City or ZIP** entry field. Enter either its name or its ZIP code.

For information on working with lists, please refer to "Lists", page 33.

3. Enter the destination street into the **Street** entry field.
4. Enter then the house number of your destination into the **Nr.** field, if you know it.

Note: If the house numbers of the respective street are stored in the database of places, you may tap the field besides the **Street** field.
If no house numbers are stored, the respective field is deactivated. The software navigates to the respective street

5. Or enter the name of an intersection into the **Intersection** entry field if you want to define an intersection as destination point (e.g. because the house number is not available).

For information on saving destinations, please refer to "Saving a destination", page 66.

5.3.2 Selecting a point of interest

Points of interest

Points **o**f **I**nterest, also referred to as POIs, are stored in the database of places and may be displayed on the map. Ports, airports, restaurants, hotels, gas stations, public buildings, and others belong to the special destinations.
Indicate a point of interest by selecting one

Point of interest nearby

Note: You may only select Points of interest nearby when the GPS receiver is turned on and when the GPS signal strength is sufficient.

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.



Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Point of interest**.

The **POINT OF INTEREST** screen opens:



1c On the **POINT OF INTEREST** screen, tap **...nearby GPS position**.

Standard mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **...nearby GPS position**.

Selecting a Point of interest nearby...

The **POI NEARBY** screen opens:



2. Enter the radius around your current position within which you want to search for points of interest into the **Radius** entry field.

3. Select the main category of points of interest to search for from the left one of the two **Category** list fields, e.g. "Garage". Only points of interest situated within the indicated radius will be displayed.

4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields, e.g. "Audi VW Seat Skoda".

 For information on working with lists, please refer to "Lists", page 33.

Note: If you leave the **Subcategory** field empty, all points of interest matching with the selected main category will be listed in the **Point of interest** list field.

5. Select the correct destination from the **Point of interest** list field.

Note: You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big cities.

For information on saving destinations, please refer to "Saving a destination", page 66.

Point of interest in a certain city

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



 Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Point of interest**.

 The **POINT OF INTEREST** screen opens:



1c On the **POINT OF INTEREST** screen, tap **...in a browsed city**.

Standard mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



 Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

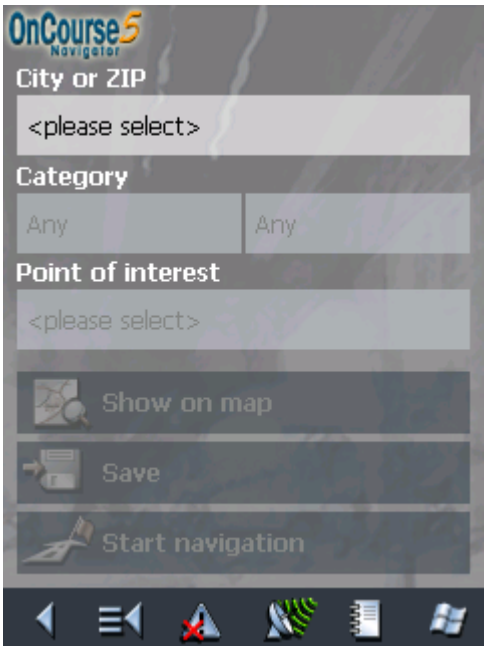


Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **...in a browsed city**.

Selecting a Point of interest in a certain city...

The **POI in a city** screen opens:



2. Enter the name of the city in which you want to search for points of interest into the **City or ZIP** field.
3. Select the main category of points of interest to search for from the **Category** list field (e.g. Nightlife). Only categories matching your City or ZIP entry are listed.
4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields (e.g. Cinema).
5. Select the correct destination from the **Point of interest** list field.

For information on working with lists, please refer to "Lists", page 33.

Note: You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big cities.

For information on saving destinations, please refer to "Saving a destination", page 66.

Point of interest of nationwide significance

This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



 Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be

selected.

1b On the **DESTINATION** screen, tap **Point of interest**.

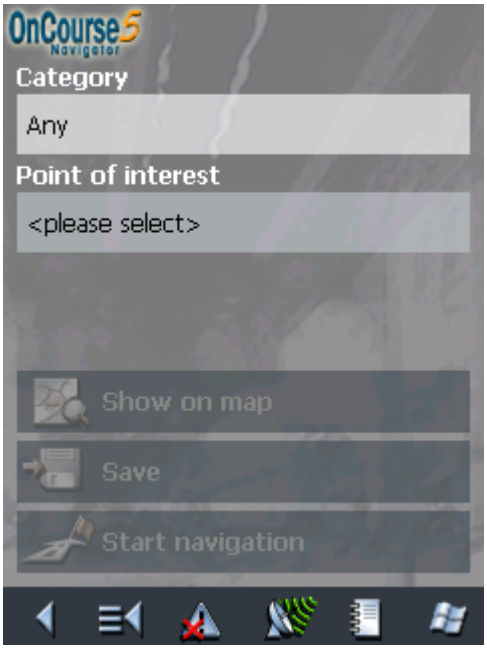
The **POINT OF INTEREST** screen opens:



1c On the **POINT OF INTEREST** screen, tap **...nationwide**.

Selecting a Point of interest of nationwide significance...

The **POI NATIONWIDE** screen opens:



2. Select the main category of points of interest to search for from the **Category** list field (e.g. Airports).
3. Select the correct destination from the **Point of interest** list field.



For information on working with lists, please refer to "Lists", page 33.

Note: You need not make entries into the **Category** field. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big cities.

5.3.3 Selecting destinations from the contacts

This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Using a contact's address as destination…

Any address from the contacts on your Pocket PC may be used as destination for navigation or route planning purposes.

In order to identify an address clearly and without ambiguity, city, ZIP code, street, and house number should be indicated.

Note: Only contacts the address of which is covered by the currently loaded map may be used for navigation or route planning purposes.

Incomplete address

If an address cannot be identified without ambiguity e.g. because there are two cities with the same name on the map, ***OnCourse Navigator*** lists them all, indicating their ZIP codes and districts. Select the respective city and tap **OK**.

If the city has been found but the street of the contact is not indicated, you will be guided to the centre of this city.

To avoid problems, the addresses from your contacts should be complete.

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



 Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

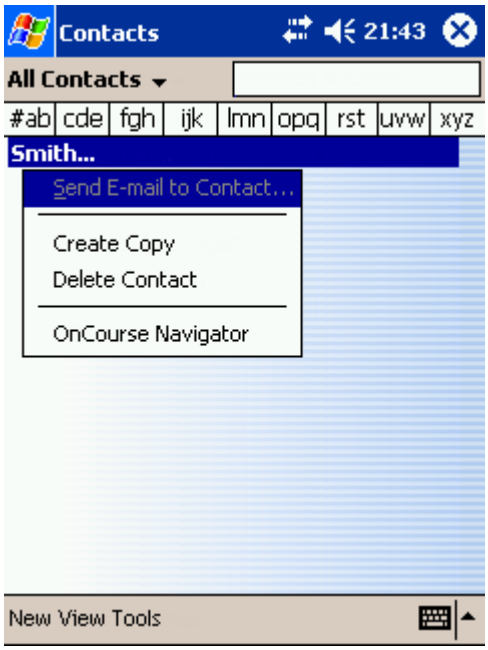
Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Contacts**.

Selecting a contact's address…

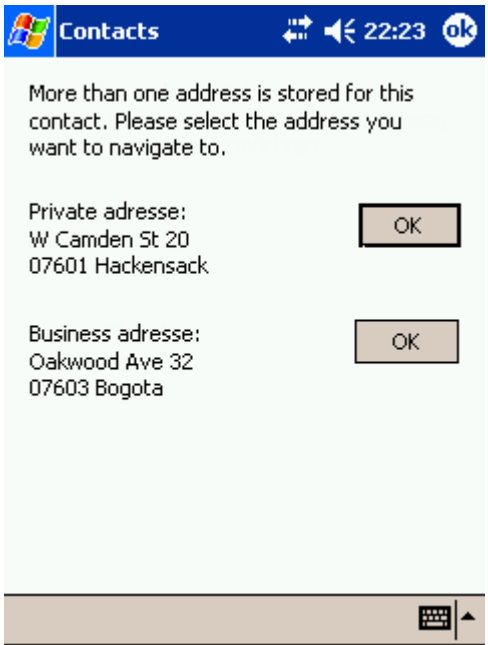
Your Pocket PC's contacts list opens.

2. Tap the respective contact's entry and hold until you get the context menu:



3. Tap **OnCourse Navigator**.

3a The following screen opens when there was more than one address to be found for the respective contact:



3b Tap the **OK** button, which belongs to the address you want to use as destination.

OnCourse Navigator adopts the address.



For information on saving destinations to the **FAVORITES**, please refer to "Saving a destination", page 66.

5.3.4 Indicating destinations on the map

You may indicate a destination directly on the map. In addition to cities and streets, you may also select points of interest quickly.

This function is only available in "Extended mode".



For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



 Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

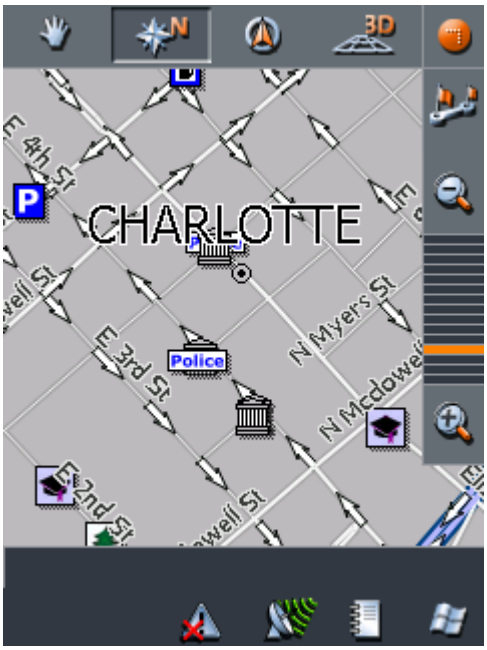


Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

Indicating a destination on the map…

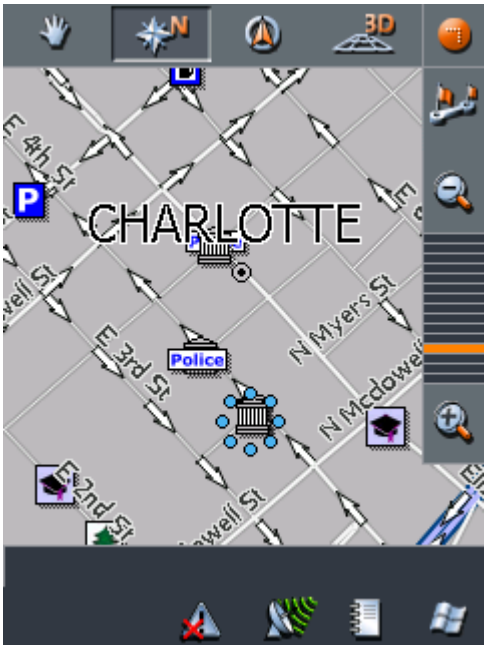
1. On the **DESTINATION** screen, tap **Select on map**.

 The **MAP** screen opens:

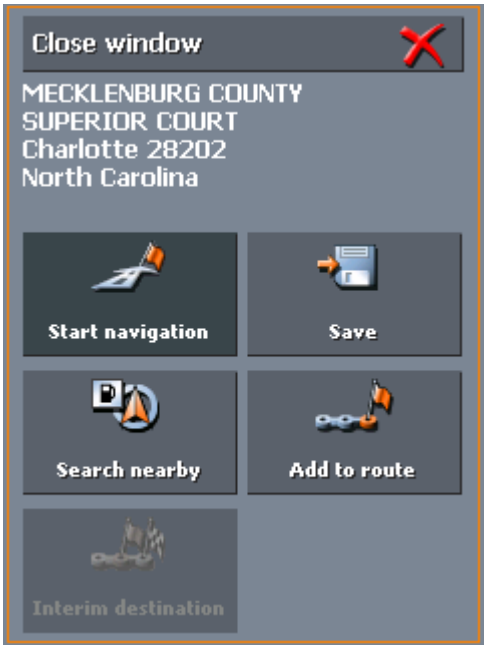


2. Tap on the place you want to determine as destination and hold.

A circle of blue points appears round the selected place:



Database information on the respective place will be loaded and displayed. Below the information, there are command buttons for several functions which are available for the selected place.



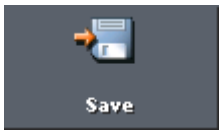
You have the following options:



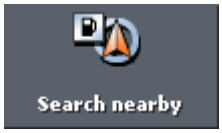
This function is only available when GPS reception is possible (The GPS symbol must be **GPS ready**).

Tap the **Start navigation** button to start navigation to the selected place.

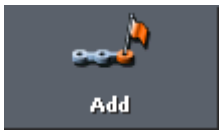
Caution: Using this function while you are already navigating deletes all current destinations (stopovers and destination point).



Tap the **Save** button to save the selected place. You may then at any time select this place from the **FAVORITES**.



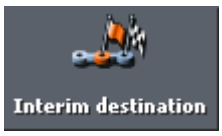
Tap the **Search nearby** button to search for a point of interest near the selected place.



This function is only available in "Extended mode".

Tap the Add button to add the selected place to your itinerary. The selected point will be marked by a little flag. It will also be added to the list of route points of the **ROUTE PLANNING** screen where it figures as destination point.

Using this function while you are already navigating causes an immediate recalculation of your route.



This function is only available in "Extended mode".

Tap the Interim destination button to make the selected point the next stopover of your itinerary. Your route will be recalculated immediately.

5.3.5 Favorites

Survey

All destinations you have saved by tapping the **Save** button are listed on the **FAVORITES** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ rename destinations, and
- ⇔ delete destinations from the list.

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

Note: Only countries (or states or provinces) of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Favorites**.

Standard mode

1. In the **MAIN MENU**, tap **Favorites**.

Saved destinations

The **FAVORITES** screen opens.



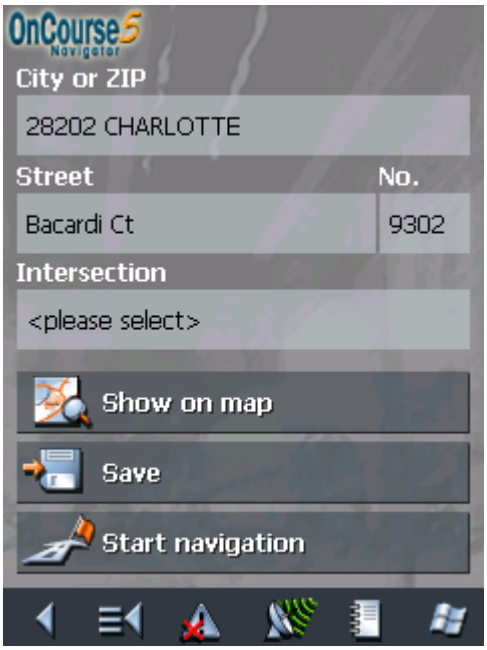
2. Tap the entry of the respective destination.

Note: An asterisk behind a name indicates that a voice command for the respective destination has been stored.

For information on working with lists, please refer to "Lists", page 33.

3. Tap .

The **ADDRESS** screen opens. The address data of the selected destination is entered into the respective fields.



For information on deleting or renaming saved destinations, please refer to "Destination management", page 65.

5.3.6 Recent destinations

Survey

All destinations you have navigated to recently are listed on the **RECENT DESTINATIONS** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ Add destinations to the **FAVORITES** list, and
- ⇔ delete destinations from the **RECENT DESTINATIONS** list.

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

 The **DESTINATION** screen opens.



Tap the **Region** entry field and select the country (or state, or province) of your destination if it is not yet indicated.

Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Recent destinations**.

Standard mode

1. In the **MAIN MENU**, tap **Recent destinations**.

Recent destinations

The **RECENT DESTINATIONS** screen opens.



2. Tap the entry of the desired destination.

For information on working with lists, please refer to "Lists", page 33.

3. Tap .

The destination will be taken over. The address is entered into the respective fields.

5.3.7 Using your home address

Survey

If you have stored your home address you may quickly start navigation home at any place.

For information on saving your home address, please refer to "Home address", page 123.

Navigating homewards...

1. On the **MAIN MENU** tap the **Home** icon.



The route is now being calculated and navigation starts.

The calculation is based on the settings you have configured in **SETTINGS** – **ROUTING OPTIONS**.



For details, please refer to "Settings", page 114.

5.3.8 Voice command

Survey

You may store a voice command with any destination of your Favorites. You may then start navigation to this destination "on command".

For information on storing voice commands, please refer to "Storing a voice command", page 67.

Navigating "on command"...

1. On the **MAIN MENU**, tap the **Voice command** icon .
2. Pronounce the voice command of the destination into the Pocket PC when you are prompted to do so.

 The calculation is based on the settings you have configured in **SETTINGS** – **ROUTE OPTIONS**. .



For details, please refer to "Settings", page 114.

5.4 Destination management

Survey

Destinations may be stored in two lists:

- ⇔ the **FAVORITES**
- ⇔ the **RECENT DESTINATIONS** list

Every destination you are indicating and the destinations from the **RECENT DESTINATIONS** list may be added to the **FAVORITES**. This makes sense if you want to navigate more often to the respective destination.

Destinations from the **FAVORITES** may be renamed.

Items from both lists may be deleted.

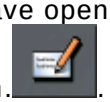
5.4.1 Saving a destination

Precondition

You have entered a destination as described in "Indicating a destination", page 47
- OR –
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 63.

1. Tap the **Save** icon.

 If you have opened the **RECENT DESTINATIONS** list, tap the **Edit** icon. .

 The **NAME OF DESTINATION** screen opens.

2. Enter a name for the destination.

 For information on the use of the keyboard, please refer to "Software keyboard", page 26.

3. Tap .

 The destination has now been added to the **FAVORITES**.

5.4.2 Storing a voice command

Survey

You may store a voice command with any destination of your Favorites. You may then start navigation to this destination "on command".

Storing a voice command…

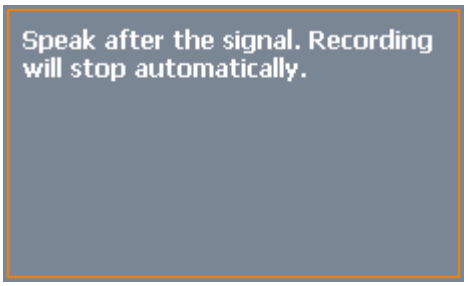
1. Open the **FAVORITES** screen and select the destination for which you want to store a voice command.
2. Tap the **Edit** icon .

 The **NAME OF DESTINATION** dialog box opens.



3. Tap the **Voice command** button.

 The following message appears:



4. Pronounce the voice command of the destination into the Pocket PC.

 The message box closes.

5. In the **NAME OF DESTINATION** dialog box, tap .

 The voice command for this destination is now stored.

5.4.3 Renaming a destination

1. On the **DESTINATION** screen, tap **Favorites**.

 The **FAVORITES** screen opens.



2. Select the destination you want to rename.

 For information on working with lists, please refer to "Lists", page 33.



3. Tap the **Edit** icon.

 The **NAME OF DESTINATION** screen opens.



4. Enter the new name of the destination.

 For information on the use of the keyboard, please refer to "Software keyboard", page 26.

5. Tap .

 The destination is now renamed.

5.4.4 Deleting a destination

Precondition

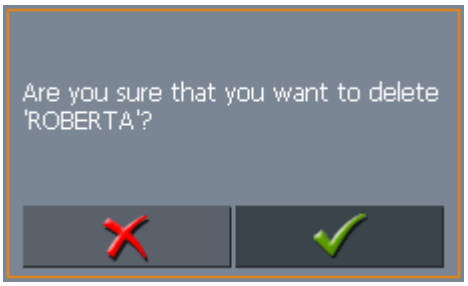
You have opened the **FAVORITES** as described in "Favorites", page 61
- OR –
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 63.

1. Tap the entry of the destination to be deleted.

 For information on working with lists, please refer to "Lists", page 33.

2. Tap the **Delete** icon.

 The **CONFIRM** screen opens.



3. Tap  to delete the destination from the list.

 The destination is now deleted from the list.

5.5 Route planning (Itineraries with stopovers)

This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Route planning

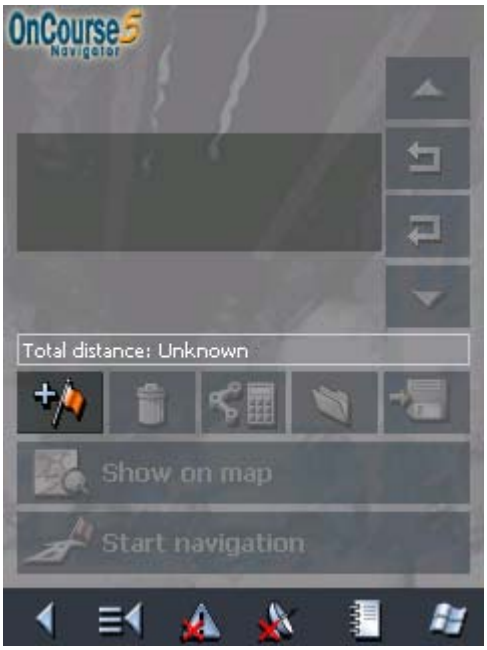
You may plan itineraries without receiving GPS signals, e.g. comfortably at home. Planned itineraries may be stored. Thus you may plan as many itineraries as you want, e.g. for holidays.

5.5.1 Indicating route points

Planning itineraries…

1. On the **MAIN MENU**, tap **Route planning**.

 The **ROUTE PLANNING** screen opens:

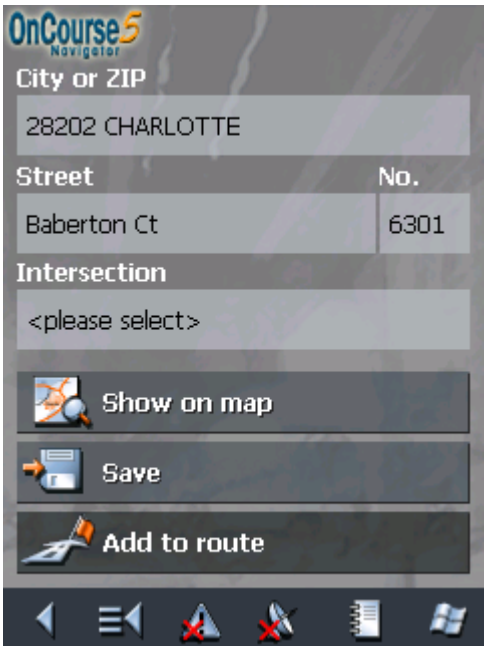




2. Tap the **Add route point** icon to enter the first route point.

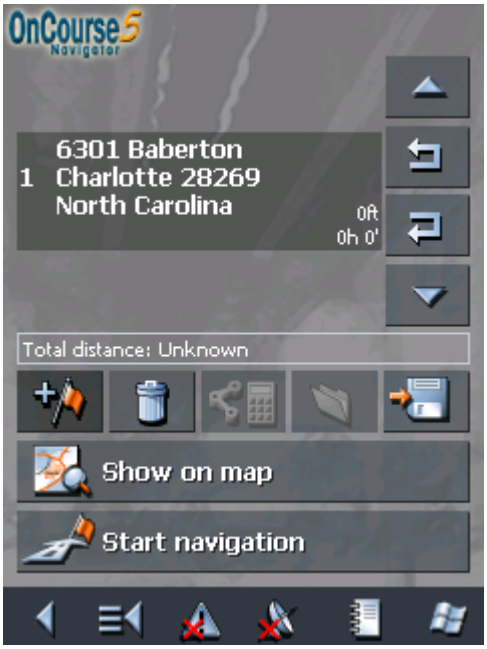
 The **DESTINATION** screen opens.

3. Indicate the destination as described in "Indicating a destination", page 47.

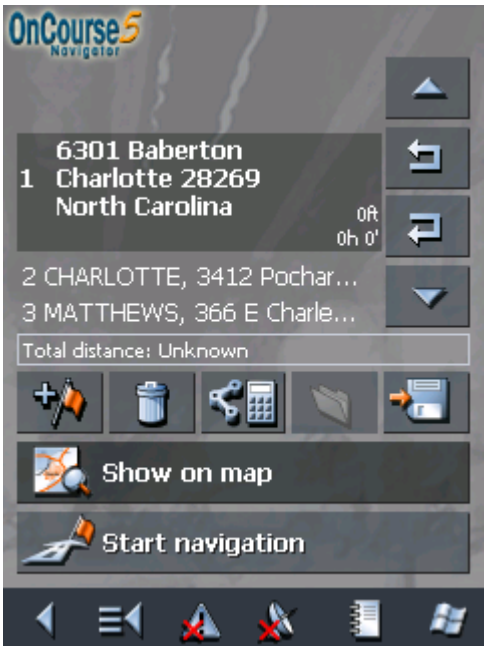


4. Tap **Add**.

The **ROUTE PLANNING** screen opens. The destination is added as route point 1.



5. Repeat steps 2-4 for every route point you want to add to the itinerary.



5.5.2 Editing, saving and managing itineraries

Survey

You may plan as many itineraries as you want, e.g. for holidays. You may save them and use them later for navigation purposes.

At any moment, you may add route points, modify the order of the route points, or display the itinerary on the map.

The following commands are available on the **ROUTE PLANNING** screen:

Selection

These icons are deactivated when the list does not contain any route point.

Up

Tap this icon to move the selection one route point up.



Tap this icon several times to move the selection several route points up.

Down

Tap this icon to move the selection one route point down.



Tap this icon several times to move the selection several route points down.

Changing the order

Route point up



Tap this icon to navigate to the respective route point earlier (example: route point 3 becomes route point 2).

Route point down



Tap this icon to navigate to the respective route point later (example: route point 2 becomes route point 3).

Deleting and adding route points

Delete route point



Tap this icon to delete the selected route point from the list.

This icon is deactivated when not route point is selected.

Add route point



Tap this icon to add a route point. The new route point will be added before the route point which currently has the focus. You may shift it using the **Route point up** and **Route point down** icons.

Managing itineraries

Save itinerary



Only itineraries that contain at least one route point may be saved. Otherwise this icon is deactivated.

1. Tap this icon to save the itinerary you have planned.

 The **NAME OF THE ITINERARY** screen opens.



2. Enter a name for the itinerary.

 For information on the use of the keyboard, please refer to "Software keyboard", page 26.

3. Tap  **OK**.

Note: Only the route points will be saved. If you load an itinerary, you will have to recalculate it.

Load itinerary



This icon is deactivated if there is no saved itinerary available.

1. Tap this icon to load a saved itinerary, e.g. to modify it or for navigation purposes.

 The **SELECT ITINERARY** screen opens:



2. Select the itinerary you want to load.

 For information on working with lists, please refer to "Lists", page 33.

3. Tap .

Rename itinerary



1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

 The **SELECT ITINERARY** screen opens:



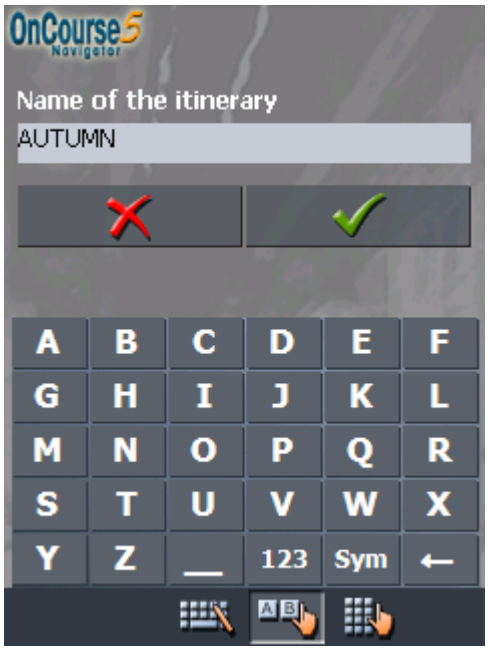


For information on working with lists, please refer to "Lists", page 33.



2. Tap the **Edit** icon.

 The **NAME OF THE ITINERARY** screen opens:



3. Enter the new name of the itinerary.

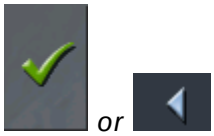


For information on the use of the keyboard, please refer to "Software keyboard", page 26.

4. Tap  **OK**.

 The **SELECT ITINERARY** screen reopens. The itinerary has been renamed.





5. Tap **OK** to load the renamed itinerary.
 - OR -
 Tap the **Back** icon to open the **ROUTE PLANNING** screen without loading an itinerary.

Delete itinerary



1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

 The **SELECT ITINERARY** screen opens:



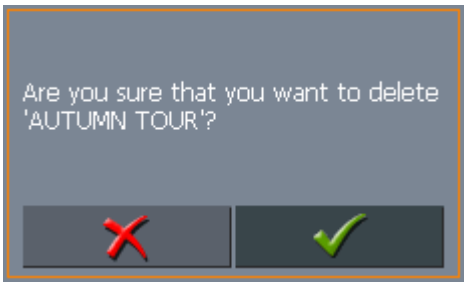


For information on working with lists, please refer to "Lists", page 33.



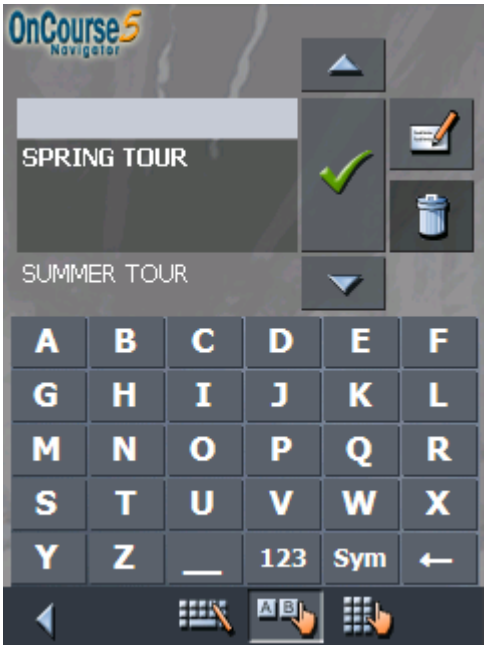
2. Tap the **Delete** icon to delete the selected itinerary.

 The **CONFIRM** screen appears.



3. Tap .

 The **SELECT ITINERARY** screen reopens. The deleted route is no more listed.



5.5.3 Calculating the route

An itinerary may be calculated even without GPS reception in order to get an impression on the route.

The system assumes then the first route point to be the start point of the route.



Note: When you start navigation, the system identifies your current position and makes it the start point. The first indicated route point is then the first stopover.



1. Tap this icon to calculate the distance and the estimated duration of the entire route.

 The **ROUTE OPTIONS** screen opens:



2. Determine the route options.



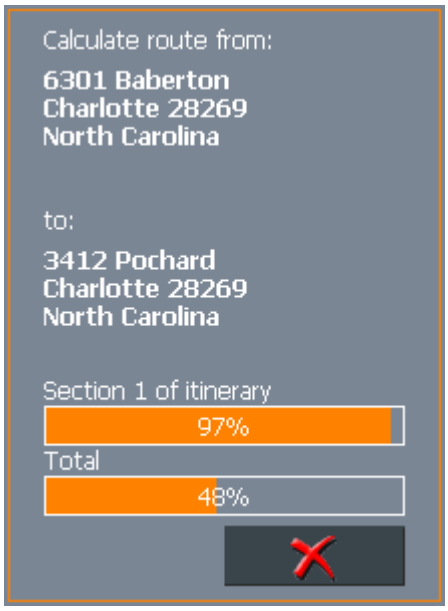
 For detailed information on setting the route options, please refer to "Routing options", page 120.



 Note: The standard settings for the route options may be changed on the **ROUTE OPTIONS** screen. For detailed information on changing the standard settings refer also to "Configuring OnCourse Navigator", page 113.

3. Tap the **Calculate route** icon.

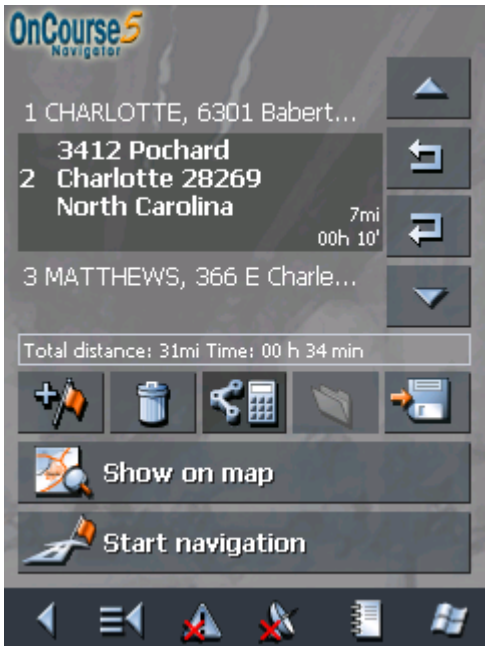
 The route is being calculated. A message window informs you on the progress of calculation.



When the route is calculated, the total distance and the estimated duration from the first to the last route point are displayed below the route points list of the **ROUTE PLANNING** screen.



Furthermore, the distance and the estimated duration of each stage will be indicated with the selected route point entry.

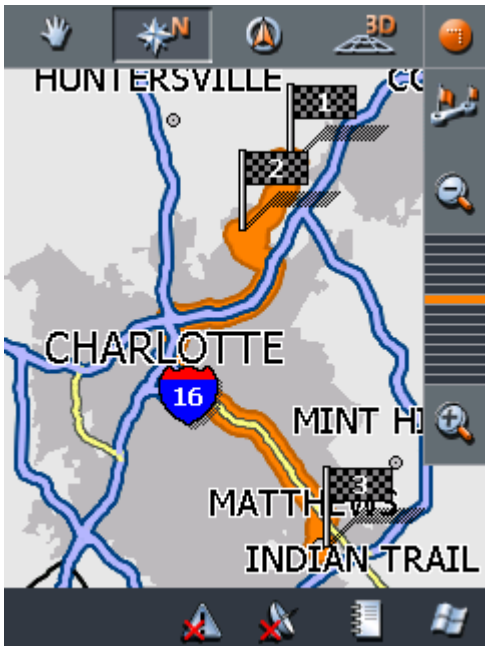


5.5.4 Displaying the route on the map

Show route

Tap the **Show on map** button to display the entire route on the map.

The map screen opens.



The route is highlighted in orange.

The route points are marked by flags.

For information on working with maps, please refer to "Working with the map", page 87.

5.5.5 Simulating the route

Simulation

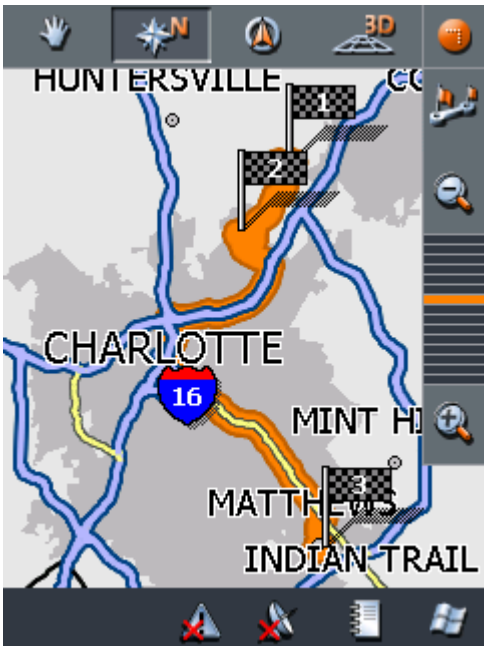
You may execute a simulated navigation along the itinerary when the route has been calculated.

Note: The reception of GPS signals is not necessary for the simulation.

Simulation is restricted to routes of 60 miles max.

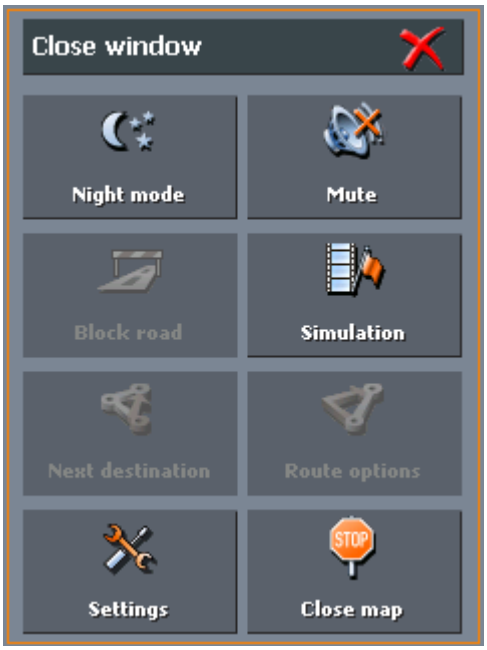
1. Tap the **Show on map** button.

 The route is displayed on the map.



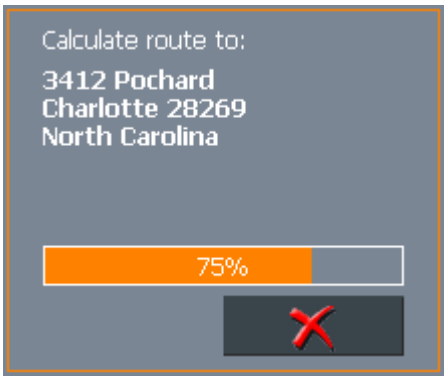
2. Tap short on any place on the map.

 The **ADDITIONAL FUNCTIONS** screen opens.



3. Tap **Simulation**.

 The route will be recalculated for simulation purposes.



 Simulation starts when calculation has finished.

Stopping the simulation

You may quit a simulation at any moment.

1. Tap short on any place on the map.

 The **ADDITIONAL FUNCTIONS** screen opens.

2. Tap **Stop navigation**.

5.6 Starting navigation

Precondition

You have entered a destination as described in "Indicating a destination", page 47,

- OR -

You have selected a destination from the **FAVORITES** as described in "Favorites", page 61,

- OR –

You have selected one of your **RECENT DESTINATIONS** as described in "Recent destinations", page 63,

- OR -

You have planned or loaded an itinerary as described in "Route planning (Itineraries with stopovers)", page 69.

Extended mode

1. Tap **Start navigation**.

 The **ROUTE OPTIONS** screen opens:



2. Determine the route options.



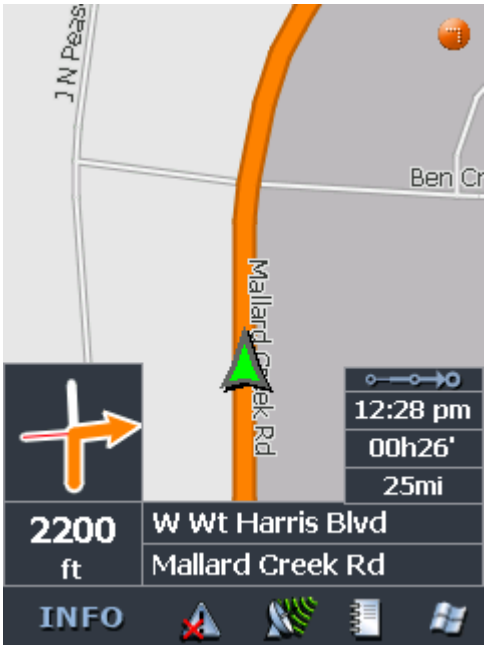
For detailed information on setting the route options, please refer to "Routing options", page 120.



Note: The standard settings for the route options may be changed in **SETTINGS** – **ROUTING OPTIONS**. For detailed information on changing the standard settings refer to "Settings", page 114.

The system calculates the route.

The map screen opens. Your current position is indicated by a green arrow. The route is highlighted in orange.



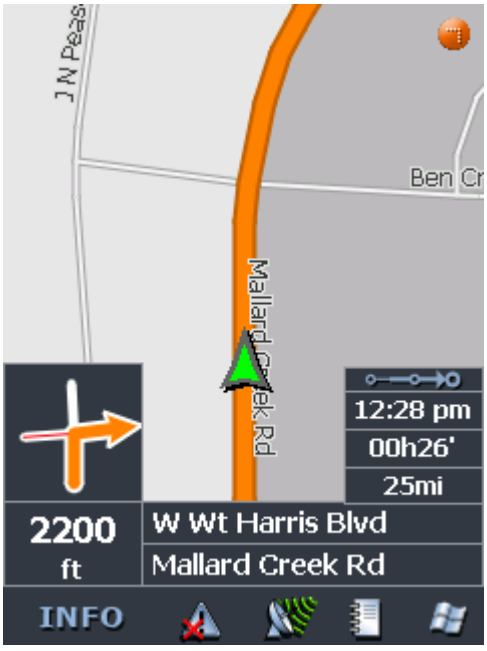
Note: When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stopover of your route.

Standard mode

1. Tap **Start navigation**.

The system calculates the route.

The map screen opens. Your current position is indicated by a green arrow. The route is highlighted in orange.



Note: The route will be calculated with regard to the current route options settings. The standard settings for the route options may be changed in **SETTINGS** – **ROUTE OPTIONS**. For detailed information on changing the settings refer to "Settings", page 114.

No GPS reception?

When the received GPS signal is not sufficient, the following message appears:



You have two possibilities:

⇔ Wait until navigation starts. This will happen as soon as the GPS reception is sufficient.

⇔ Tap **Cancel** and restart navigation as soon as the reception of GPS signals is convenient. You may notice that by watching the GPS symbol on the screen: it becomes **GPS ready** when the reception is good.

6 Working with the map

Topics covered in this chapter:

6.1	Selecting a map	page 88
6.2	Operating the map	page 90
6.3	Representation of the map in navigation mode	page 96
6.4	Displaying additional information on the map	page 98

6.1 Selecting a map

Provided maps

There are additional maps included in the delivery on DVD. In case you want to use one of those maps, copy it via a card reader to a storage card.

Note: Maps for which you have not purchased the right of use must be activated. Please refer to the separate manual in the enclosure.

Proceed as follows:

1. Connect your PC and your Pocket PC via ***ActiveSync***.
2. Insert the ***OnCourse Navigator*** DVD 1 into your DVD drive.

 The ***Installer-Tool*** starts automatically.
3. Click "Transmit map".
4. Follow the instructions on the screen.

Follow then the instructions given below in "Selecting a map".

Note: In case the ***Installer-Tool*** does not start automatically, start the Windows-Explorer. Select the directory of your DVD drive and double-click the "setup.exe" file.

Note: Maps for which you have not purchased the right of use must be activated. Please refer to the separate manual in the enclosure.

Selecting a map



To load another map which is available on the currently inserted storage card, proceed as follows:

1. If the desired map is on another storage card than the currently inserted one, open the **MAIN SCREEN** and tap the **Quit** button.

1a Remove the storage card, which is currently inserted.

1b Insert the storage card, which contains the map you want to work with.

1c Start ***OnCourse Navigator*** over.

Note: You need not execute steps 2 to 4 unless there is more than one map stored on the inserted storage card.

2. On the **MAIN SCREEN**, tap the **Map** button.



The **AVAILABLE MAPS** screen opens:



3. Tap the entry of the map you want to work with.
4. Tap .

 The selected map is now loaded. The **MAIN SCREEN** opens.

6.2 Operating the map

Survey

There are various pieces of information available on the **MAP** screen. Learn in this chapter about the possibilities for working with the map, which depend on whether you are in navigation mode or not.

Displaying the map

You may display the map

- ⇔ while planning a route,
- ⇔ in order to show destinations on the map, or
- ⇔ in order to select destinations on the map.

Extended mode

In "extended mode", you may display the map

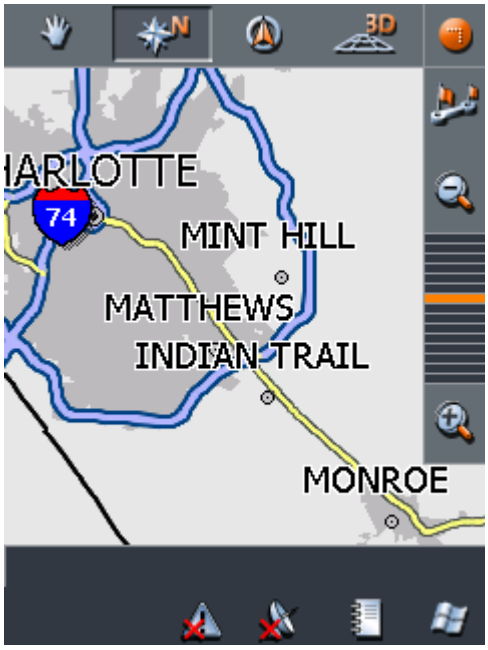
- ⇔ Via the **Show map** button on the **MAIN MENU**
- ⇔ Via the **Select on map** button on the **DESTINATION** screen
- ⇔ Via the **Show on map** button on the **ADDRESS** screen after having entered an address.

Standard mode

In "standard mode", you may display the map

- ⇔ Via the **Show on map** button on the **ADDRESS** screen after having entered an address.

The **MAP** screen opens.



The map is being displayed automatically when you start navigating.

Tapping the map

Tapping short any place on the map makes the **ADDITIONAL FUNCTIONS** screen appear. Depending on whether you are in navigation mode or not this screen offers different functions.

Tapping long a certain place on the map (tap and hold) makes information on that place appear. You may then, e.g., take over the data for navigation purposes.

For details, please refer to "Indicating destinations on the map", page 58.

Icons

Survey

The Map screen disposes several icons which allow altering the representation of the map.



(When without GPS reception)

Hide/show icons

This icon allows you to hide all other icons in order to see more of the map.

Tap this icon again to show the other icons.



(When with GPS reception)

Automode

Tap this icon to display the standard representation of the map after you have modified the view.

The settings of north orientation and auto zoom mode will be applied. Your current position will be centred. The icons will not be displayed.



For details, refer to "Automode", page 119.

Freeze

This icon is activated in navigation mode only.

Tap the **Freeze** icon



to toggle between "Frozen map" and "Frozen position".



Frozen position (default)

This mode (button down) makes the map scroll continually. Your current position (green arrow) is always centred in the bottom third of the map.



Frozen map

This mode (button up) freezes the map. Your current position (green arrow) moves over the map and may even leave it.

This mode applies automatically when you scroll the map in navigation mode. Otherwise the system would always try to keep your current position in the bottom third of the map.

Select this mode when you want to select a destination from the map while navigation is in progress.

Zoom / Scroll

Tap the **Zoom**/**Scroll** icon



to toggle between Zoom and Scroll mode.



Zoom

In Zoom mode (Button up) you may scale the map up or down. Zoom in by drawing a rectangle on the map, beginning with the upper left corner. Zoom out by beginning with the lower right corner.



Scroll

In Scroll mode (button down) you may scroll the map. Tap on the screen and drag to the desired direction.



Entire route

Tap the **Itinerary** icon to display the whole itinerary.

Map in driving direction/north oriented

Tap the **In driving direction**/**North oriented** icon



to switch between the two available modes of map orientation. (North orientation / orientation in driving direction).



North orientation

Tap this icon (button down) to orientate the map north up.



Tap this icon (button up) to orientate the map in driving direction.



3D view

Tap this icon to display the map in 3D mode (bee flight view).



2D view

Tap this icon to return to the 2D mode (standard).



Zoom in

Tap **Zoom in** to scale the map down.



Zoom bar

Tap one of the zoom bar sections to modify the scale of the map.



Zoom out

Tap **Zoom out** to scale the map up.

Additional functions

Tapping short any place on the map makes the **ADDITIONAL FUNCTIONS** screen appear. Depending on whether you are in navigation mode or not this screen offers different functions.

The range of offered functionality depends also on whether you are working in standard or in extended mode.



For information on how to change the user mode, please refer to "Changing the user mode", page 38.

The **ADDITIONAL FUNCTIONS** screen opens:





Tap this icon to toggle between "Day" and "Night" map view mode.



Tap this icon to switch the voice instructions on / off.



Preferences

Tap **Preferences** to display the **SETTINGS** screen. For details, please refer to "Settings", page 114.



Quit navigation

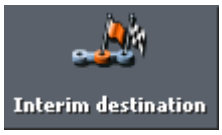
This function is only available in navigation mode. Tap **Quit navigation** to exit navigation mode.

Block road, Unblock

These functions are only available in navigation mode.



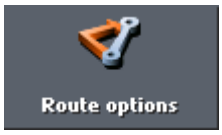
For details, please refer to "Blocking a route section", page 105.



Set interim destination

This function is only available in navigation mode. Tap **Set interim destination** to add a new route point to your itinerary. The route will be recalculated and the newly added route point will be the first destination to navigate to. Navigation to the other route points will be executed later.

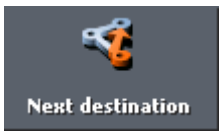
For details, please refer to "Adding a route point during navigation", page 104.



Route options

This function is only available in navigation mode. Tap **Route options** to modify them.

For details, please refer to "Routing options", page 120.



Next destination

This function is only available when you are navigating a route with at least one stopover and when you are working in extended mode.

Use this function if you want to skip the next stopover.

Example: You have planned an itinerary from your office to "Company A" and then to "Company B" and you are already on your way. Before you arrive at "Company A", a mobile phone call informs you that you need not visit Company A.

Tap the **Next destination** button to navigate to the stopover after the next (here: "Company B").

The system recalculates the route. "Company B" will be your next destination.

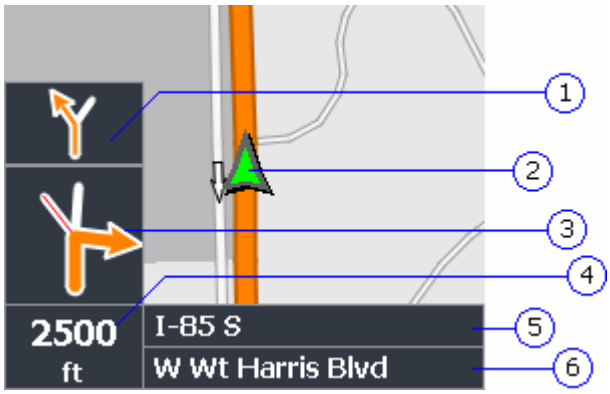
Refer also to "Next destination", page 105.

6.3 Representation of the map in navigation mode

In navigation mode, there is some assistance for navigation, some information on the route and one more command button being displayed:

Assistance for navigation

The following assistance for navigation is being displayed at the left and at the bottom of the map:



Field	Information
①	If there are two manoeuvres to be executed quickly one after the other, the small upper arrow field indicates the manoeuvre to be executed immediately after the next manoeuvre.
②	The green arrow indicates your current position on the map. Since the displayed sector of the map changes continually your current position is centred on the map whenever possible (Moving Map).
③	The bigger arrow field indicates the next manoeuvre to be executed.
④	The distance field indicates the distance to the next manoeuvre. When you approach, the representations changes into a distance bar:  The more yellow bars are displayed the nearer you are to the place where the next manoeuvre must be executed.
⑤	The upper street field indicates the name of the next street to turn on.
⑥	The lower street field indicates the name of the street you are currently on.

Signpost info

The upper part of the Map screen displays information on the signposts you have to follow.



Note: This information can only be displayed when it is contained in the cartographic material.

Speed limit

The left part of the map screen shows possible speed limits:



Note: This information can only be displayed when it is contained in the cartographic material.

Caution: Information contained in the cartographic material can be wrong, e.g. due to road works.

Traffic situation and road traffic regulations are absolutely prior to the information given by the navigation system.

Information on the route

At the right of the map, the following information on the route is being displayed:



Field	Information
	This symbol means "stage". All information displayed below refers to the next route point.
	ETA (Estimated time of arrival).
	Remaining time to arrival (estimated).
	Remaining distance to arrival (estimated).



Tap this icon to repeat the last spoken instruction. All available information will be displayed.

The displayed information will be hidden after a few seconds.

6.4 Displaying additional information on the map

In ***OnCourse Navigator*** you may determine which information is to be displayed on the map. Modifying any configuration begins on the **SETTINGS** screen.

Configuring the display of additional information…

1. Open the **SETTINGS** screen
 - ⇔ by tapping the **Settings** button on the **MAIN MENU**,
 - ⇔ or by tapping short into the map and selecting **Preferences**.

 The **SETTINGS** screen opens.
2. Select **Map information** using the arrow buttons:



Info bar

The **Info bar** at the bottom of the map displays the scale of the map, the inclination, the compass, the altitude and the current speed. .

3. Tap the respective command button to display (On) or not (Off) the **Info bar**.



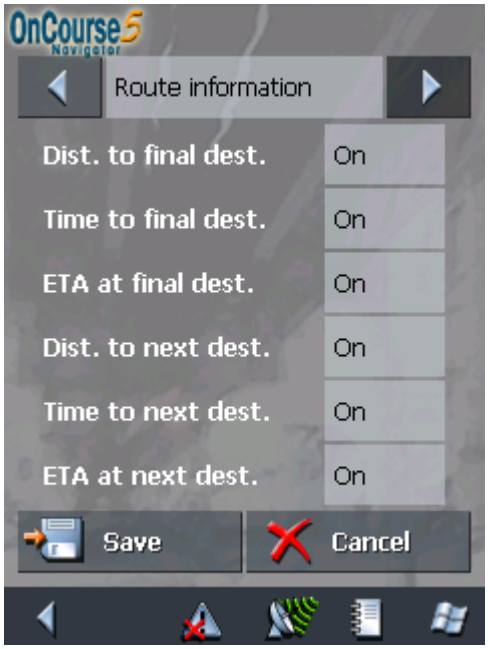
Points of Interest

4. Tap the respective command button to display (On) or not (Off) **Points of Interest** on the map.

Street names

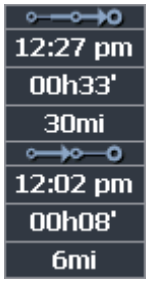
5. Tap the respective command button to display (On) or not (Off) **Street names** on the map.

6. Via the arrow buttons select **Route information**:



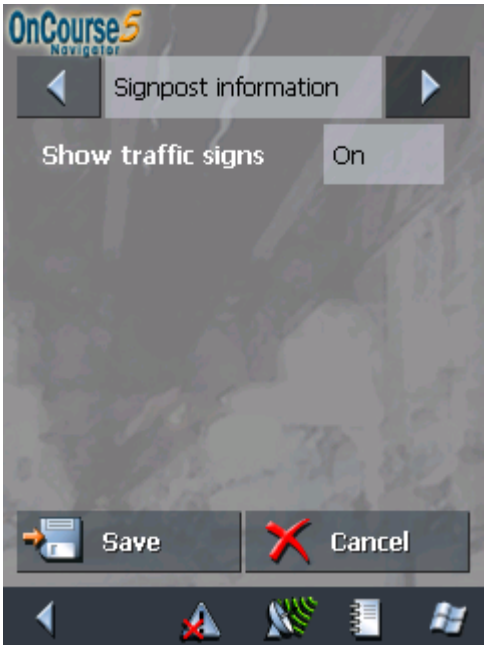
7. Tap the command buttons to display (On) or not (Off) the respective information on the map.

 The desired information on the entire route (upper section) and on the current stage (lower section) will be displayed at the right hand side of the map.



Section	Information
	This symbol means "route". All information displayed below refers to the final destination.
	This symbol means "stage". All information displayed below refers to the next route point. This section is only available if you have indicated more than one destination to navigate to.
Line 2	ETA (Estimated time of arrival).
Line 3	Remaining time to arrival (estimated).
Line 4	Remaining distance to arrival (estimated).

8. Via the arrow buttons select **Signpost information**.



The **Show traffic signs** command indicates whether signposts indicating exits from Interstates or highways are currently being displayed or not.

9. Tap the **Show traffic signs** command to toggle between On and Off mode.

 The new mode is now indicated on the button.

10. Via the arrow buttons select **Speed limit**.



The **SPEED LIMIT** screen allows you to determine whether you want to display speed limits in navigation mode and whether you want to be warned acoustically on speeding.

Setting	Significance
Show traffic signs	This command indicates whether signposts indicating speed limits are currently being displayed or not. Tap the **Show traffic signs** command and select whether speed limits should be displayed **Always** **On speeding only** or **Never**.
Warning in urban areas	This command indicates from how much speeding on you want to be warned when driving within built-up areas. Tap the **Warning in urban areas** command to select another value or to set it to **Never**.
Warning outside urban areas	This command indicates from how much speeding on you want to be warned when driving outside built-up areas. Tap the **Warning outside urban areas** command to select another value or to set it to **Never**.

11. Tap **Save** to save the modifications.

 The modifications will be taken over and displayed on the map.

7 Useful functions for navigation

Topics covered in this chapter:

7.1	Adding a route point during navigation	page 104
7.2	Next destination	page 105
7.3	Blocking a route section	page 105
7.4	Using TMC functionality	page 106
7.5	Keeping the logbook	page 110

Survey

In ***OnCourse Navigator*** the following functions are available in navigation mode:

- ⇔ Adding a route point during navigation, see below
- ⇔ Skipping the next route point, see page 105
- ⇔ Blocking a route section, see page 105
- ⇔ Using TMC functionality, see page 106
- ⇔ Keeping the logbook, see page 110

7.1 Adding a route point during navigation



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Adding a route point during navigation…

At any moment during navigation you may add a new route point to your itinerary. The route will be recalculated in order to make the new route point the next destination to navigate to. The other remaining route points will be navigated to after the new one.

Adding a route point…

Precondition: The map is being displayed in navigation mode.

1. Tap short on any place on the map.
2. Tap **Set interim destination**

 The **DESTINATION** screen opens.
3. Indicate the new route point as described in "Indicating a destination", page 47.
4. Tap the **Set as route point** button.

 The route will be recalculated in order to make the new route point the next destination to navigate to.



Note: Select the new route point directly on the map, just as described in "Indicating destinations on the map", page 58. Tap the respective place and hold. From the context menu, select **Add as route point**.

7.2 Next destination



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Next destination

Next destination

This function is only available when you are navigating a route with at least one stopover and when you are working in extended mode.

Use this function if you want to skip the next stopover.

Example: You have planned an itinerary from your office to "Company A" and then to "Company B" and you are already on your way. Before you arrive at "Company A", a mobile phone call informs you that you need not visit Company A.

Tap the **Next destination** button to navigate to the stopover after the next (here: "Company B").

The system recalculates the route. "Company B" will be your next destination.

7.3 Blocking a route section

Blocking a route section manually

You may block a route section manually in order to evade it. Manual blocking forces a recalculation of the route.

Presume that you are driving on a freeway and a radio message announces a traffic jam 4 miles ahead of your current position. With the "Block route sections" function you may instruct the navigation system to evade the announced traffic jam.

A manual blocking is only valid for the current navigation process. The respective route section will be unblocked for the next navigation or when you restart the software.

Blocking a route section…

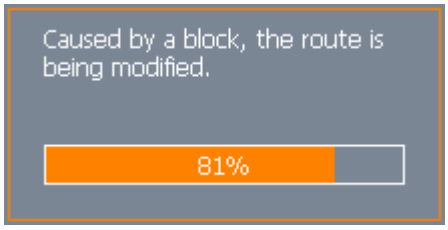
Precondition: The navigation system is in navigation mode and the map is being displayed.

1. Tap short on any place on the map.
2. Tap **Block road**.

 The **BLOCKING** screen opens.

2. Enter how many miles (from your current position on) you want to block.
3. Tap **OK**.

This forces a recalculation of the route. The indicated route section will be evaded. On the map, it will be highlighted in red.



Unblocking a route section

1. Tap short on any place on the map.
2. Tap **Unblock**.

 The route section is now unblocked. The navigation system uses the route, which had been calculated originally.

7.4 Using TMC functionality

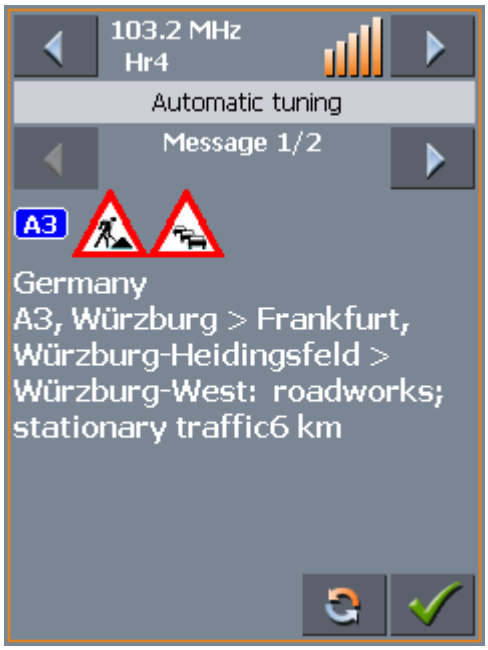
TMC receiver

A TMC receiver provides the navigation system with the latest traffic information and enables dynamic route calculation in order to evade traffic jams and other obstructions.
If you have connected a TMC receiver you may display the received traffic information in ***OnCourse Navigator***.



1. Tap the **TMC** icon.

 The **TMC** screen opens.



Displaying traffic information…

2. Use the arrow icons of the "Messages" section to display the next / previous traffic message.

 Every message contains the country, the name or number of the street (motorway, main road, country road), the concerned road section and the kind of obstruction.

Updating traffic information

3. Tap the **Update** icon to display traffic information which has been received since the **TMC** screen has been opened.



Closing the TMC screen

4. Tap the **OK** icon to close the **TMC** screen.



Considering TMC information for route calculation

Considering TMC information for route calculation

Configure the TMC settings to determine how TMC information concerning your route should be considered.

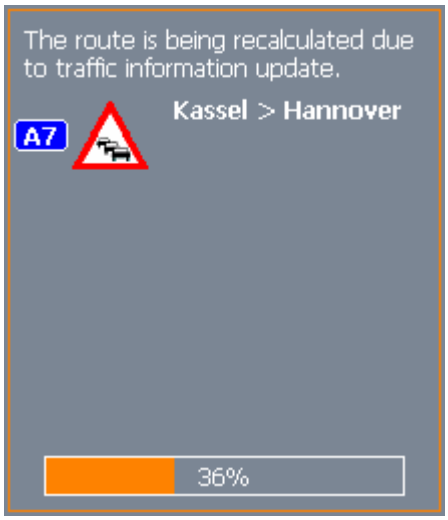
For details, please refer to "Settings", page 114

Automatic route modification

Precondition: You have selected "Route modification **automatically**" in the **TMC** settings (default).

If a reported obstruction concerns your route the system evades obstructions automatically.

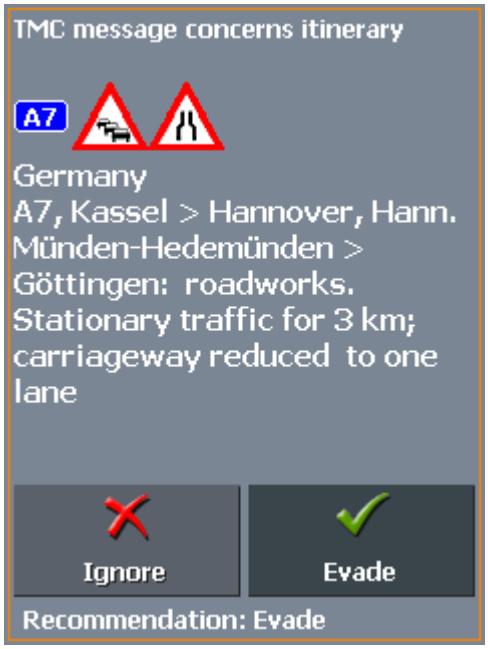
The following message appears while the system calculates the deviation.



Route modification with confirmation

Precondition: You have selected "Route modification **with confirmation**" in the **TMC** settings.

The following screen informs you about a reported instruction concerning your route:



Evade

Tap the **Evade** button to evade the reported obstruction.

The route will be recalculated in order to evade the obstruction.

Ignore

Tap the **Ignore** button to ignore the reported obstruction.

Considering TMC information at a later moment

If you have selected "Route modification **With confirmation**", you may evade or ignore a reported obstruction at a later moment. Proceed as follows:



1. Tap the **TMC** symbol.

 The **TMC** screen opens:



2. Use the arrow icons of the "Messages" section to search for an obstruction concerning your route. Those obstructions are

labelled "on the route".

3. Tap the **Status** button and select whether the respective obstruction is to be **Evaded** or **Ignored**.



4. Tap the Done icon to update the route. The system recalculates the route if necessary.

Tuning

Tuning

1. Tap the **Tuning** button to toggle between the **Auto tuning**, **Hold station**, and **Frequency input** modes.

Auto tuning

In **Auto tuning** mode, the TMC receiver searches continually for the station which is best received. The name and the frequency of the station are being displayed.

Use the arrow keys of the "Station" section to receive another station.

As soon as another station has been found, its name and frequency are being displayed.

Hold station

If you want to hold the sender which is currently being received, press straight on the centre of the cursor pad as often as necessary to display **Hold station**.

The TMC receiver holds now this station. Nevertheless, it changes the frequency when the same station is better received on another one.

The name of the station and the frequency on which it is currently being received are being displayed.

Frequency input

If you want to enter a certain frequency switch to the **Frequency input** mode.

Use the arrow keys of the "Station" section to modify the frequency in steps of 0.1 MHz.

If a station may be received on the currently tuned frequency its name is being displayed. The bars at the right of the frequency indicate the quality of reception.



Press the **OK** soft key to save the settings and to close the **TMC INFORMATION** screen.

7.5 Keeping the logbook

Survey

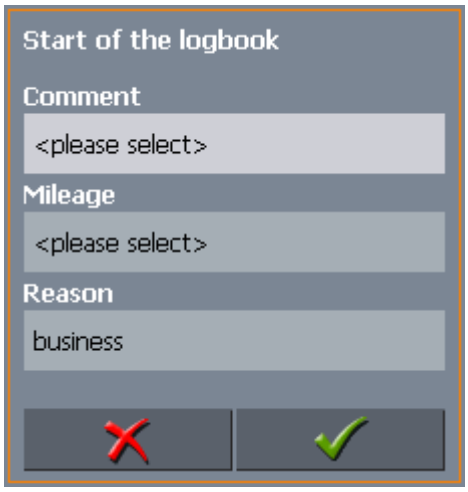
You may make ***OnCourse Navigator*** keep a logbook. Any start of the logbook forces the creation of an Excel file in the root directory of your Pocket PC. You may transmit those files to your PC and open them with, e.g., ***Microsoft Excel***.

Starting the logbook…

1. Tap the **Logbook** icon.

 The **LOGBOOK** screen opens:

2. Enter the reason of your journey into the **Comment** field.
3. Enter the mileage at the beginning of your trip into the **Mileage** field.
4. Tap the **Reason** button and indicate whether it is a **Business** journey or a **Private** journey.
5. Tap .

 The system creates the first logbook entry. The **Logbook** icon toggles to

  **Logbook activated**.

Exiting the logbook…

Collecting data on your trip stops when you arrive at your destination, when you quit navigation, or when you quit ***OnCourse Navigator***.

Alternatively you may tap the **Logbook** icon. Tap the **Action** field and select **Exit**. The **Logbook** icon toggles to

 **Logbook deactivated**..

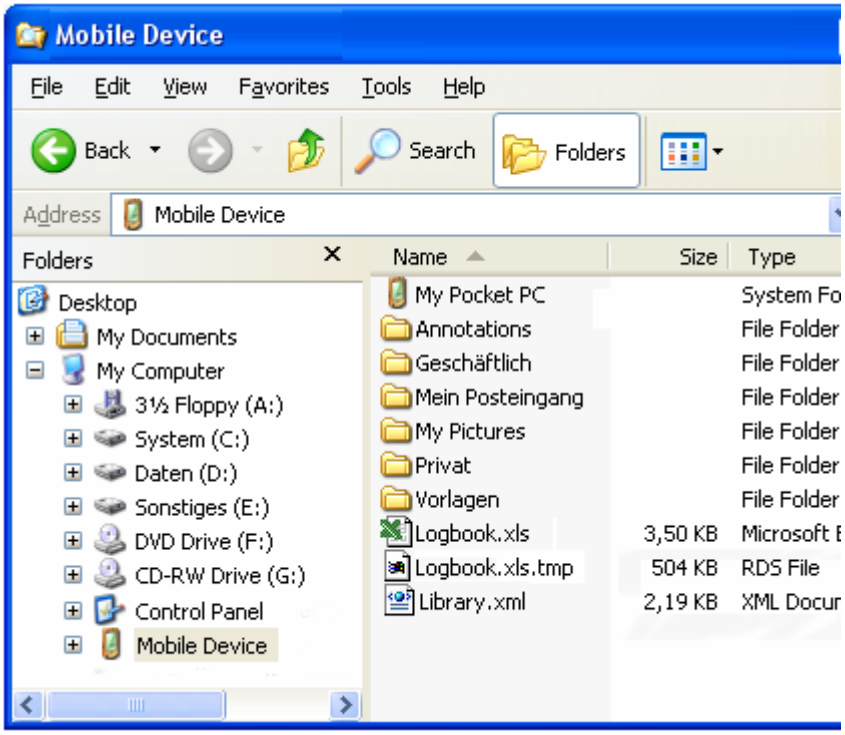
Adding an entry…

You may possibly want to add entries to the logbook, e.g. when your car was refuelled or when you have visited several clients without using your car. In this case tap the **Logbook** icon. Tap the **Action** field and select **Add entry**.

Working with the logbook…

you may transmit the logbook files to your PC where you may open them and modify the entries (if necessary).

1. Establish an ***ActiveSync*** connection between your PC and your Pocket PC. (For details refer to the manual or your Pocket PC)
2. In the root directory of your Pocket PC select "Logbook.xls".



3. Copy the file to your PC and open it with ***Microsoft Excel***.
4. The following information is provided by the logbook files: the mileage at the beginning of the journey, the reason of the journey, city and street, the date of the journey, distance, and others. You may print the logbook or, if necessary, add them to the logbook you are keeping for tax purposes.

8 Configuring OnCourse Navigator

Topics covered in this chapter:

8.1 Settings page 114
- User mode
- Map information
- Route information
- Signpost information
- Speed limit
- Volume
- Representation
- Automode
- Routing options
- Logbook
- Key configuration
- Itinerary
- Format
- GPS
- TMC
- Home address
- Radio-Mute
- Product information

8.1 Settings

Configuration

In ***OnCourse Navigator***, you may modify the following settings:

- ⇔ User mode, see page 115
- ⇔ Map information, see page 115
- ⇔ Route information, see page 116
- ⇔ Signpost information, see page 117
- ⇔ Speed limit, see page 118
- ⇔ Volume, see page 118
- ⇔ Representation, see page 118
- ⇔ Automode, see page 119
- ⇔ Routing options, see page 120
- ⇔ Logbook, see page 121
- ⇔ Key configuration, see page 121
- ⇔ Itinerary, see page 121
- ⇔ Format, see page 122
- ⇔ GPS, see page 122
- ⇔ TMC, see page 123
- ⇔ Home address, see page 123
- ⇔ Radio-Mute, see page 123
- ⇔ Product information, see page 123

On the **MAIN SCREEN**, tap the **Settings** button to configure ***OnCourse Navigator***.

On the **SETTINGS** screen, tap the arrow icons to select the configuration you want to modify.

Tap the **Save** button to apply your modifications if you have made some.

8.1.1 User mode

User mode

On the **USER MODE** screen, you may effect the following modifications:

Your current user mode is indicated on the **Current user mode** field.

Tap **Current user mode** to switch to the other user mode.

The name of the user mode you want to switch to becomes the caption of the entry field.

Tap **Save** to save the changes.



Note: When you switch to standard mode, a dialog window asks you whether you want to keep the configuration changes you have made in extended mode. This dialog window appears even when you have not made any configuration changes. Tap **Yes**.

Restoring the factory settings…

1. If you want to restore the factory settings, tap the **Factory settings** command.
2. Confirm the restoration.

8.1.2 Map information



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Info on the map

On the **MAP INFORMATION** screen, you may effect the following modifications:

Element	Signification
Info bar	The **Info bar** at the bottom of the map displays the scale of the map, the inclination, the compass, the altitude and the current speed. Tap the respective command button to display (On) or not (Off) the **Info bar**. 
Points of Interest	Tap the respective command button to display (On) or not (Off) **Points of Interest** on the map.
Street names	Tap the respective command button to display (On) or not (Off) **Street names** on the map.

8.1.3 Route information

This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Route info

On the **ROUTE INFORMATION** screen, you may effect the following modifications:

Element	Signification
ETA at final dest.	ETA (Estimated time of arrival) at the final destination.
Time to final dest.	Remaining time to the final destination (estimated).
Dist. to final dest.	Remaining distance to the final destination (estimated). Tap the respective command buttons to display (On) or not (Off) the respective information on the map. All information displayed below refers to the final destination. . 
ETA at next dest.	ETA (Estimated time of arrival) at the next route point.
Time to next dest.	Remaining time to the next route point (estimated).
Dist. to next dest.	Remaining distance to the next route point (estimated). Tap the respective command buttons to display (On) or not (Off) the respective information on the map. All information displayed below refers to the next route point.  This section is only available if you have indicated more than one destination to navigate to

8.1.4 Signpost information

Signpost information

On the **SIGNPOST INFORMATION** screen, you may effect the following modifications:

The **Show traffic signs** command indicates whether signposts indicating exits from Interstates or highways are currently being displayed or not.

Tap the **Show traffic signs** command to toggle between On and Off mode.

The new mode is now indicated on the button.

Note: This information can only be displayed when it is contained in the cartographic material.

8.1.5 Speed limit

Speed control

On the **SPEED LIMIT** screen, you may effect the following modifications:

Setting	Significance
Show traffic signs	This command indicates whether signposts indicating speed limits are currently being displayed or not. Tap the **Show traffic signs** command and select whether speed limits should be displayed **Always** **On speeding only** or **Never**.
Warning in urban areas	This command indicates from how much speeding on you want to be warned when driving within built-up areas. Tap the **Warning in urban areas** command to select another value or to set it to **Never**.
Warning outside urban areas	This command indicates from how much speeding on you want to be warned when driving outside built-up areas. Tap the **Warning outside urban areas** command to select another value or to set it to **Never**.

Note: This information can only be displayed when it is contained in the cartographic material.

Caution: Information contained in the cartographic material can be wrong, e.g. due to road works.

Traffic situation and road traffic regulations are absolutely prior to the information given by the navigation system.

8.1.6 Volume

Volume

On the **VOLUME** screen, modify the volume of the spoken indications of the navigation system.

Tap the **Volume** field and select another value.

8.1.7 Representation



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Representation

On the **REPRESENTATION** screen, you may effect the following modifications:

Setting	Signification
Skin	Skins are made to personalize the user interface of ***OnCourse Navigator***. Tap the **Skin** field. Select one of the available skins and tap **OK**.
Dim at night	Tap this field and select whether the screen or your Pocket PC is to be darkened at night or not.

8.1.8 Automode



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Auto mode

On the **AUTO MODE** screen, you may effect the following modifications:

Setting	Signification
Begin with	Select the default map view: **2D** or **3D**.
3D Autozoom	Select the default for navigation with 3D view: **Autozoom** or **No Autozoom**. With Autozoom, the system changes the scale of the map depending on your current speed: When you drive slowly, the scale becomes small. When you drive fast, the scale becomes high.
2D Autozoom	Select the default for navigation with 2D view: **Low Autozoom**, **Standard Autozoom**, **High Autozoom**, or **No Autozoom**. With Autozoom, the system changes the scale of the map depending on your current speed: When you drive slowly, the scale becomes small. When you drive fast, the scale becomes high. The lower the Autozoom, the lower the scale.
2D View	Select the default for navigation with 2D view: **North oriented** or **In driving direction**.

8.1.9 Routing options

Routing options

On the **ROUTING OPTIONS** screen, indicate your speed profile. This entry will have an effect on the calculation of the remaining time and of the **e**stimated **t**ime of **a**rrival (ETA).

1. Tap the **Speed profile** button. Select one of the available profiles and tap **OK**.
2. Tap the **Type of routing** field and select one of the following options:

Option	Signification
Dynamic route (TMC)	This option is only available when TMC signals may be received. With this option, the quickest route will be calculated. Reported traffic obstructions on your route will be considered automatically. The Fast route is being calculated when TMC is not received.
Fast route	The quickest route will be calculated.
Short route	The shortest route will be calculated.

3. Tap the **Interstates**, **Ferries**, and **Tollways** fields successively and select one of the following options:

Option	Signification
Permitted	The respective kind of street will be regarded for route calculation.
Avoid	The respective kind of street will be avoided if reasonable.
Forbidden	The respective kind of street will be disregarded for route calculation.

8.1.10 Logbook

Logbook

On the **LOGBOOK** screen, determine whether the logbook is to be started automatically at the beginning of navigation (Yes) or not (No).

Tap the **Start automatically** button to toggle between Yes and No.

Independent from the settings made here, you may at any time start or stop the logbook via the



icon.

8.1.11 Key configuration

Hardware keys

On the **KEYPAD** screen, you may configure the hardware keys of your Pocket PC to execute the "Up", "Down", "Left", "Right", "OK" and "Return" actions. This enables convenient and easy operation.

When you quit the navigation software, the keys will have their standard functionality.

Tap the **Key assignment** button to check or to modify the configuration.

8.1.12 Itinerary



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Proceeding automatically to the next route point…

On the **ITINERARY** screen, determine whether you want to navigate automatically to the next route point after having reached a stopover (Yes) or not (No).

Tap the **Proceed automatically to next destination** button to toggle between Yes and No.

If you do not proceed automatically, you may proceed as follows:

1. In navigation mode, tap short on any place on the map.
2. Select **Next destination**.

8.1.13 Format

Units

On the **FORMAT** screen, determine which units are to be used for time and distance indications.

Setting	Signification
Time	Tap the **Time** field to toggle between **12 hours** (AM/PM) and **24 hours** time format.
Distance	Tap the **Distance** field to toggle between **kilometres** or **miles** distance units.

8.1.14 GPS

GPS

On the **GPS** screen, configure the GPS receiver.

Tap **Automatic detection** when you have reconnected or changed your GPS receiver. Follow the instructions on the screen.

Tap **Manual settings** when automatic detection is not successful. Set the following values:

Setting	Signification
Receiver	Tap the **Type of receiver** field. Select the appropriate receiver from the list and tap **OK**.
Com-Port	Tap the **COM-port** field and indicate the COM / USB-port used by the receiver.
Baud	Enter the respective Baud rate into the Baud field.

8.1.15 TMC

TMC

On the **TMC** screen, determine whether route modifications caused by TMC traffic information are to be carried out automatically or with explicit confirmation.

Tap the **Route modification** field to toggle between **Automatically** and **With confirmation**.

8.1.16 Home address

Home address

On the **HOME ADDRESS** screen, you may save your home address to quickly start navigation homewards from anywhere.

1. Tap **Enter your home address**.

 The **DESTINATION** screen opens.
2. Tap the **Address** button and enter your home address as described in "Entering an address", page 47.
3. Tap the **Set as home address** button.

The address is indicated on the **HOME ADDRESS** screen.

8.1.17 Radio-Mute



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 38.

Radio-Mute

On the **RADIO-MUTE** screen, you may activate the radio-mute function if your hands-free kit is connected to the RADIO-MUTE jack of your car radio. Possible retardations of the hands-free kit will then have no negative effects on the spoken indications of the navigation system.

8.1.18 Product information

Product information

On the **PRODUCT INFORMATION** screen, the name and the version of the software are displayed.

Tap **Show intro** to make the system explain its most important functions.

9 Appendix

Topics covered in this chapter:

9.1 Annex A: Problem solutions page 126
Performance
GPS receiver

9.1 Annex A: Problem solutions

9.1.1 Performance

Slow calculation

Route calculation is very slow; the voice indications in navigation mode are coming late.

The efficiency of both route calculation and navigation depends on the amount of free memory and on the kind of storage card you use.

In order to navigate properly, the system should dispose of at least 15MB of free memory on your Pocket PC.

9.1.2 GPS receiver

Possible error sources concerning the initialisation of the GPS receiver

If the GPS symbol stays red (no GPS reception) even though the system has been installed correctly, this may be due to one of the following reasons:

⇔ Reason A: an incorrect COM-port is selected.

⇔ Reason B: the receiver is not supplied with power.

A

The GPS receiver is connected to another COM-port than COM 1.

1. On the main screen, tap the **Configuration** button.

 The **CONFIGURATION** screen opens.
2. Via the arrow buttons, select **GPS**.
3. Tap **Automatic detection** when you have reconnected or changed your GPS receiver. Follow the instructions on the screen.
4. Tap **Manual settings** when automatic detection is not successful. Set the following values:
5. Tap the **COM-Port** field.
6. Select another COM-port.

If the GPS symbol becomes green, you may start navigation.

B

The cigarette-lighter is not permanently supplied with power.

If the GPS symbol stays red (no GPS reception) even though you have tried all available COM-ports, it may be that your cigarette-lighter is not permanently supplied with power.

1. Quit ***OnCourse Navigator***.
2. Start your engine.
3. Restart ***OnCourse Navigator***.
4. The GPS receiver should now be ready for use within short time (the GPS symbol becomes green). In the future, start your vehicle before starting the navigation software.

The GPS receiver takes long to be ready to use

The GPS receiver has a battery which maintains saving data collected during the initialisation process.

Once the initialisation has been executed successfully, there is two modes of starting the GPS receiver up:

Mode 1	takes about 5 to 6 minutes. The GPS receiver has not been used for at least one week.
Mode 2	takes about 1 to 2 minutes. The GPS receiver has been used almost daily.

10 Glossary

COM-port

A COM port is a connector to a communications interface, usually the serial port. The ports are numbered by a number behind "COM". A communications interface is designed to connect hardware like a mouse or a GPS receiver.

GMT

GMT (**G**reenwich **M**ean **T**ime) is the mean solar time at the Royal Greenwich Observatory in Greenwich near London, England, which by convention is at 0 degrees geographic longitude. Theoretically, noon Greenwich Mean Time is the moment when the Sun crosses the Greenwich meridian (and reaches its highest point in the sky in Greenwich). Up to 1972, GMT was the global time standard. Because of the Earth's uneven speed in its elliptic orbit, GMT has been replaced by UTC (**U**niversal **T**ime **C**oordinated) which is an ultra stable time standard based on atomic clocks.

GPS

The GPS (**G**lobal **P**ositioning **S**ystem) is based on 24 satellites which are in orbit round the earth. They are permanently emitting the time and their current position. The GPS receiver receives this information and calculates the longitude and the latitude of its own current position.

The signals of at least three satellites are needed to determine the longitude and the latitude. With the signals of at least four satellites the elevation may be calculated, too. The determination has an accuracy of about 3 yards.

HDOP

The **H**orizontal **D**ilution **o**f **P**recision (HDOP) indicates the quality of position determination. Theoretically any value from 0 to 50 is possible. The smaller the value is, the more accurate is the position determination (value 0 = no deviation from the actual position). Values up to 8 are convenient for street navigation.

POI

Point **o**f **I**nterest (POI). See ➔Special destination.

RDS

Radio **D**ata **S**ignal (RDS) is a service offered by broadcasting stations. TMC information is broadcasted via RDS.

Special destination

Special destinations, also called POI (**P**oints **o**f **I**nterest), are covered by the map and may be displayed on it. Harbours, airports, restaurants, hotels, gas stations, public buildings, and others belong to the special destinations. You may determine special destinations as route points for navigation purposes.

TMC

Traffic **M**essage **C**hannel (TMC) supplies your navigation system with the latest traffic information. A TMC receiver which is available as accessory receives the signals which are broadcasted by radio stations.

11 Index

A

Additional functions 95
Assistance for navigation 98

B

Blocking 107

C

CleverMap 10
Contacts 58
 Addresses 58
Current position 98

D

Destination
 Delete 71
 Navigate to 84
 Rename 70

E

ETA (Estimated Time of Arrival) 118
Exit signposts 119

F

Favorites 63

G

GMT 33
GPS 23
 GPS icon 32, 34
 Signals 23
GPS receiver 44
 COM-port 128
 Initialisation 20
 Mount 17
 Possible error sources 128
 Settings 124

H

HDOP 33
Home address 66, 125

I

Indication of destinations
 Contacts 58
 Favorites 63
 Home address 67
 On the map 60
 Points of interest 51
 Recent destinations 65
 Saved destinations 63
 Voice command 67, 69
Info bar 100, 117
Information
 Route 101
 Stage 99, 101
Interim destination 97, 106
Itinerary 123
Itinerary planning 71

K

Keyboard 28
Keys 123

L

Logbook 112, 123

M

Main screen 45, 47
Map 92
 2D view 95
 3D view 95
 Day / Night 96
 Display 46, 92
 Freeze 94
 Hide/show icons 94
 Info bar 100
 Information 100
 Itinerary 95
 Orientation 95
 Points of Interest 100, 117
 Route 95

Scroll 95
Street names 100, 117
Zoom 94
Zoom in 95
Zoom out 95
Maps
Activate 16
Activation code 15, 16
Available maps 11
Buy on storage card 15
CleverMap 10
Copy from DVD 15

N

Navigation
Proceed automatically 123
Quit 96
start 84

O

OnCourse Navigator
Quit 47, 48
Start 45

P

POI 51
Points of interest 51
In certain city 55
Nationwide 57
Nearby 51
Points of Interest 100, 117
Position
Freeze 94
Proceed automatically 123

R

RDS 23
Recent Destinations 65
Remaining distance 118
Remaining time 118
Route 101
Route information 98
Route options 85, 87, 97
Route planning 71
Route point 106
Route section
Block 107
Unblock 108
Routing options 122

S

Screen
Additional functions 96
Configuration 116
Destination 49, 50
Favorites 64
Point of interest 52
Recent destinations 66
Route planning 72
Settings 116
Search facilities 6
Security information 24
Service 7
Settings
Auto mode 121
Exit signposts 119
Format 124
GPS 124
Home address 125
Info on the map 117
Itinerary 123
Keys 123
Logbook 123
Representation 120
Route info 118
Routing options 122
Signposts 119
Speed control 119
Speed profile 122
TMC 125
User mode 117
Volume 120
Signposts 119
Skins 120
Software-keyboard 28
Speed control 119
Speed profile 122
Stage 101
Street names 100, 117
Support 7

T

Time of arrival 118
TMC 23, 108, 125
Initialisation 20
Tuning 111

U

Units 124

V

Voice command 67, 69, 96, 99

Volume 120

Z

Zoom bar 95